

V.CHANDRA SEKHAR B.Tech (C.S.E). MS (I.T)	S/O V.Radhika Tirupati Cotton Mills. Renigunta, Tirupati – 517520. Andhra Pradesh. Email: vorugunti_chandra_sekhar@daiict.ac.in or sekhar.daiict@gmail.com Mobile: 08095498039.
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OBJECTIVE

To secure a challenging position that utilizes my Information Technology skills to contribute the success of leading edge organization.

EDUCATION

COURSE	UNIVERSITY / INSTITUTE	YEAR	PERCENTAGE/CPI
MS	Dhirubhai Ambani Institute Of Information and Communication Technology- (DA-IICT)	2006-2008	(3.3/4) (86%)(2 years - full time)
B.Tech(C.S.E)	Jawaharlal Nehru Technological university, Hyderabad.	2000-2004	72.48%(Distinction) (full time)
12 th (Maths)	Board Of Intermediate Education (A.P).	1997-1999	73.4%
10 th	Higher Secondary Board. (A.P).	1997	70%

SKILLS

LANGUAGE	C, C++,C#,JAVA
NLP LANGUAGE	Universal Networking Language (UNL)
DEVELOPMENT TOOL	MS Visual Basic 6.0, Eclipse
DATABASE	Oracle 8i (PL/SQL), Microsoft SQL Server 2008, MySql
TECHNOLOGIES	.NET, XML (XPath, Xslt)
WEB SERVERS	IIS
OPERATING SYSTEMS	Windows (XP, Vista, Server 2000), Linux-(Fedora)
OTHERS	Adobe DreamWeaver, Rational Rose
NLP TOOLS	UIMA

OTHER SKILLS

1. Public Speaking Skills 2.Good Verbal and Non Verbal Skills 3.Good Team Player Skills.

ACADEMIC KEY PROJECTS

1	Telephone Emulator (Using SMTP and RTP,RTCP,RSVP Protocols)
Exploring the vast potential of Internet To Transfer voice and Non Voice data, cheaply, efficiently when compared to Traditional Telephone System.	
Platform/Software/Tools: VC++, Windows.	
Duration: 6 months	Role: Software Developer
Members: 4	

2	Bloggers website
A website, which allows a user to create a new blog, views all the existing blogs, posting views in the blog.	
Platform/Software/Tools: Linux/PHP	

3	Travel Guru
A website, which allows a user to create an account, search hotels, views availability of Plane schedules and reserving ticket.	
Platform/Software/Tools: Linux/PHP	

4	Chat Application
An application, which allows different users to interact with each other. A server is maintained, where all clients need to register and a client that registered can chat with other registered clients.	
Platform/Software/Protocol: Linux/Java/FTP protocol	

5	Criminal Management System
An Application, which allows all the functionalities like insertion, searches, updating, retrieving of the criminal records.	
Platform/Software/Protocol/Tool: Linux/VB/MySql	

6	An application for Finding an optimizing location of a flying Object (for DRDO)
An Application, which finds the optimal location of a flying object. We used different filters to find out the optimal location of an object.	
Platform/Software/Tool: Linux/C++/MATLAB	

7	Developed Security policy for an organization
I developed a security policy for an organization, which takes care and deals with security issues of an organization.	
Guide: Kushru F.Doctor, Group Delivery Manager in Cybage Systems, Gandhi Nagar. And visiting faculty in Dhirubhai Ambani Institute of Information and Communication Technology (DA-IICT).	

Research Experience

01	Analyzing Routing Protocols in wireless ad-hoc networks
It's a 3 months research project, where we analyzed various routing protocols for finding an optimal route in wireless adhoc networks.	
Guide: Prof .R.B Lenin (Wolfowitz Prize winner in Mathematics)	

02 Application of UIMA and UNL in Natural Language Processing

It's a 6 months research project, where we used UIMA framework and UNL language in analyzing natural languages (Hindi). I developed following Annotators as a part of my research:

- 1) English Noun Annotator.
- 2) Hindi Noun Annotator.
- 3) Hindi to UNL converter.

Guide: Prof. Abhinay Pandya (M.Tech and P.hd from IIT-Bombay)

Academic Experience**1 Role : Lecturer**

Institution: Sree Venkat Perumal College of Engineering and Technology and Sreenidhi Institute of Science and Technology. Andhra Pradesh.

Duration: 20 months

Industrial Experience**1 Role : Technical Analyst(Module lead)**

Company: Infosys Technologies Ltd . Bangalore.

Duration: From 08-09-2008 to Current
(68 Months)

Publications

1.IEEE: Chandra Sekhar Vorugunti, Mrudula S. "A Robust Ticket-Based Mutual Authentication Scheme for Data Security in Cloud Computing". International Conference on Data Science and Engineering, Cochin University of Science and Technology-CUSAT, Cochin. IEEE-Explore, 26-28 Aug, 2014.

2. McGrawHill: Prathyusha, Mrudula S, Chandra Sekhar Vorugunti,. "A Secure and Efficient Password-based User Authentication Scheme for Hierarchical Wireless Sensor Networks." 4th International Conference on Advances in Computing and Communications (ACC-2014), **Rajagiri school of engineering and technology**, RSET. McGrawHill publishers. Cochin, 27-29 Aug, 2014, India.

3. LNEE-Springer: Chandra Sekhar Vorugunti, Mrudula S. "A Secure and Efficient Password-based User Authentication Scheme for Hierarchical Wireless Sensor Networks." 9th International conference on Wireless Communication and Sensor Networks(WCSN), **IIIT-Allahabad**. Lecture Notes in Electrical Engineering (LNEE), Springer-Verlag, Berlin-Heidelberg, 2013, Dec, India.

4. LNEE-Springer: Chandra Sekhar Vorugunti, Mrudula S. "A Secure and Efficient Authentication Protocol in VANETs with Privacy Preservation." 9th International conference on Wireless Communication and Sensor Networks(WCSN), **IIIT-Allahabad**. Lecture Notes in Electrical Engineering (LNEE), Springer-Verlag, Berlin-Heidelberg, 2013, Dec, India.

5. Chandra Sekhar Vorugunti, Mrudula S. "A Robust Password-Based Multi-Server Authentication Scheme." The Symposium on Information Security, SIS SNDA, 15-16 Nov 2013, **BITS-Pilani Hyderabad Campus**,

- 6. ACM** : Chandra Sekhar Vorugunti, Mrudula S. "A Secure and Efficient End to End Authentication Protocol in VANET Hierarchical Model." **ACM:Mobihoc 2013**. 14th International Symposium on Mobile Adhoc Networking and Computing.
- 7. CCIS-Springer**: Chandra Sekhar Vorugunti, Mrudula S. "A More Efficient and Secure Authentication Scheme Over Insecure Networks Using Smart Cards." in International Symposium on Security in Computing and Communications (SSCC 2013), Communications in Computer and Information Science Series (CCIS), Springer-Verlag, Berlin-Heidelberg, 2013, Aug , India.
- 8. LNCS-Springer**: Chandra Sekhar and Mrudula Sarvabhatla. "Cryptanalysis and Security Enhancement of Anil K Sarje's Authentication Scheme Using Smart Cards" In proceedings of **14th International Conference on Distributed Computing and Networking (ICDCN'13)**, Lecture Notes in Computer Science (LNCS-7730), (Springer), **TIFR, Mumbai, India**, Jan 3-6, 2013.
- 9. LNCS-Springer**: Chandra Sekhar and Mrudula Sarvabhatla. "A Secure and Efficient Cross Authentication Protocol in VANET Hierarchical Model" In proceedings of **14th International Conference on Distributed Computing and Networking (ICDCN'13)**, Lecture Notes in Computer Science (LNCS-7730), (Springer), **TIFR, Mumbai, India**, Jan 3-6, 2013.
- 10. ACM**: Chandra Sekhar and Mrudula Sarvabhatla. "Cryptanalysis and Improvement of Anil K Sarje's Authentication Scheme over Insecure Networks," in Fifth **IEEE International Conference on COMMunication Systems and NETWORKS (COMSNETS 2013)**. January 7-10, 2013.
- 11. IEEE**: Chandra Sekhar Vorugunti, Mrudula S." A Secure Kiosk Centric Mobile Payment Protocol Using Symmetric Key Techniques". In proceedings of International Conference on Industrial and Informations Systems. (ICIIS-2012), Aug 6-9,**IIT Madras,India**.
- 12. Elsevier**: Chandra Sekhar Vorugunti, Mrudula S." A Secure and Efficient Biometric Based Remote User Authentication Scheme Using Smart Cards". In proceedings of International conference on Emerging Trends in Electrical , Communication and Information Technologies- ICECIT 2012. Dec 23-24,**SRIT, India. (Best Paper Award)**.
- 13. ACEEE**: Chandra Sekhar Vorugunti, Mrudula S."A Secure account based mobile payment protocol using public key techniques".In proceedings of ACEEE-International Journal of Network Security IJNS Vol3 No1 Jan issue, Netherlands.
- 14. IEEE**: Chandra Sekhar Vorugunti, Mrudula S. "Security in Wireless Sensor Networks with public key techniques". In proceedings of International Conference on Computer Communication and Informatics (ICCCI-2012), Jan 10-12, SIET, Coimbatore, India.
- 15. IEEE**: Chandra Sekhar Vorugunti, Mrudula S. " Secure Lightweight Mobile Payment Protocol Using Symmetric Key Techniques". In proceedings of International Conference on Computer Communication and Informatics (ICCCI-2012), Jan 10-12, SIET, Coimbatore, India.
- 16. IEEE**: Chandra Sekhar Vorugunti, Mrudula S. "A Complete Secure Customer Centric Anonymous Payment in a Digital Ecosystem". In proceedings of INTERNATIONAL CONFERENCE ON COMPUTING, ELECTRONICS AND ELECTRICAL TECHNOLOGIES (ICCEET-2012), Mar 20-22, Noor-Islam university, Kanyakumari, India.**(Best Paper Award)**
- 17. ACM**: (ISEC 2012-SEEW,IIT Kanpur): "Position statement on software engineering education". (A panel consists of Professors from IIT KGP, IIIT-Delhi, IIT Bombay selected 20 papers for the SEEW workshop.),Feb 20,**IIT Kanpur**.

18. JGRCS: Chandra Sekhar Vorugunti, Mrudula S. "Advanced Secure Dynamic-ID Based Remote User Authentication Scheme". In proceedings of Journal of Global Research in Computer Science JGRCS Vol3 Issue 6 Jul – 2012 issue.

19. JGRCS: Chandra Sekhar Vorugunti, Mrudula S. "Advanced Secure Remote User Authentication Scheme Preserving User Anonymity". In proceedings of Journal of Global Research in Computer Science JGRCS Vol3 Issue 6 Jul – 2012 issue.

(Another 10 papers are in submission stage for 4-ICCCT, 1-IJNS, 3-IC3-JIIT, 2-ICNSC-Vignan)

Un Refereed Publications

20. Arxiv:1: Chandra Sekhar Vorugunti, Mrudula S. "Cryptanalysis of An Advanced Temporal Credential-Based Security Scheme with Mutual Authentication and Key Agreement for Wireless Sensor Networks."

21. Arxiv 2: Chandra Sekhar Vorugunti, Mrudula S. "A Secure Password-Based Multi-Server Authentication Scheme."

22. Arxiv 3: Chandra Sekhar Vorugunti, Mrudula S. "A Robust Biometric-Based Three-factor Remote User Authentication Scheme."

PROFESSIONAL MEMBERSHIP

- ACEEE.

Books Authored

01 Title: Fun with C#

This book contains 303 pages and with more than 800 questions in various formats like 'true or False', 'Debug the following code', 'Find out the Output' etc , which helps the students and practicing programmer to test their skills in C#.

Foreword: Prof .R.B Lenin (Wolfowitz Prize winner in Mathematics)(Prof at University Of Central Arkansas-USA)

Publishers Final stage discussions with 'Pearson Education'

BOOK REVIEW EXPERIENCE

01 Book Title: Programming with C

Reviewed For Publisher: Orient Black Swan (Universities Press) Hyderabad.

REVIEW or TPC EXPERIENCE FOR JOURNALS and CONFERENCES

01 (ISCAIE 2014): Member of Technical Program Committee, 2014 IEEE Symposium on Computer Applications & Industrial Electronics-Penang, Malaysia

02	(ISIEA 2014): Member of Technical Program Committee, IEEE Symposium on Industrial Electronics & Applications (ISIEA 2014)-Malaysia.
03	(ISCI-2014): Member of Technical Program Committee, 2014 IEEE Symposium on Computers & Informatics(ISCI-2014)-University-Malaysia pahang.
04	CIS-2014 (SNDS-2014): Springer Workshop on Multidisciplinary Perspectives in Cryptology and Information Security (CIS-2014)-IIITM-Kerala Trivandrum. (Both reviewer and Technical Program Committee member)
05	IJCSIS: International Journal of Computer Science and Information Security.
06	IJNS: International Journal of Network Security.
07	IJEST: International Journal of Engineering Science and Technology.
08	ICDIWC2012: International Conference on Digital Information and Wireless Communications.
09	CSNT 2014: Fourth IEEE International Conference on Communication Systems and Network Technologies 2014, Bhopal, India.

STUDENT MENTORING EXPERIENCE

01	I am the supervisor for Mr. Sai Kalyan Boddupalli of Infosys for Work Integrated Learning Program of BITS-PILANI, MS (Software Systems). Student ID: 2011HZ12238
Activities: Guiding for assignments, Mid Semester and Final exams, Project Dissertation.	

INTRESTED RESEARCH or TEACHING AREAS

- Wireless Network security (VANET,MANET,WSN).
- Cryptography.
- Algebraic aspects of Cryptography.
- Advanced Data Structures.
- Algorithms.
- Programming Languages
- Software Engineering
- Software Testing
- Cloud Computing.

PERSONAL ACHIEVEMENTS

- **Selected as a faculty in BITS-PILANI in the interview held on (07-July-09),out of three selected for Computer Science, two are from BITS, I am the only person outside BITS.**
- **Completed Infosys freshmen training with cgpa of 4.97/5 (One of the topper of the batch)**
- Selected for summer school conducted by Microsoft and IIT-KGP on Natural Language Processing (June 24-june 29, 2008).
- Got placed in four companies (Sapient, Mindtree, Infosys, and TCS) with 100% success rate

and with maximum offers. Mine is still the best performance than any other PG student in DA-IICT in placements.

- Found 3 bugs in book 'Understanding Pointers in C' by 'Yashavant kanitkar'.
- Found Bug in 'The C puzzle book' by Alan R Feur (BELL LABS scientist).

HOBBIES

- Sports (Cricket, Volleyball, and Badminton).
- Drawing, Painting.
- Listening Music.

References

01 Prof R.B Lenin

Position :Assistant Professor
 Institute : university of Central Arkansas, Conway ,Arkansas , USA
 Contact Email-Id: available on request.
 Education Qualification: M.Sc from IIT Madras, PhD from IIT-Madras.
 Wolfowitz prize winner In Mathematics.

02 Prof Manik Lal Das

Position :Associate Professor
 Institute : Dhirubhai Ambani Institute Of Information and Communication Technology(DA-IICT)
 Contact Email-Id: available on request.
 Education Qualification: M.Tech from ISM Dhanbadh, PhD from IIT-Bombay.

03 Prof Rakesh shukla

Position : Principal research Scientist
 Institute : Infos Labs- Infosys Technologies Ltd.
 Email-Id: available on request.
 Education Qualification : B.Tech from BITS-pilani, PhD from University of Queensland(Australia)

PERSONAL DETAILS

Fathers Name: V.Subramanyam

Sex: Male

Birth and Native Place: Tirupathi, A.P

Nationality: Indian

Marital Status: Married

Languages Known: English, Hindi, Telugu, Kannada and Tamil.



Dhirubhai Ambani
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