Dr. Vidya Rao

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Professional Experience

Worked as Assistant Professor at AMC Engineering College, Bangalore from 2013 to 2016, then was employed as Research Scholar at Manipal Institute of Technology, Manipal, India from 2017-Jan 2021. Currently working as Jyothy Institute of Technology.

Computer Skills

Programming in C, SQL, JAVA, Python
Platform used MATLAB, Eclipse, PyCharm
Hands-on Arduino and Raspberry Pi Programming
Knowledge on Microsoft Office & Latex

Personal Skills

Good communication skills
Attention to details
Responsible and honest
Quick Learner
Hardworking

Professional Training

Internet of Things device programming
Raspberry Pi and Arduino coding
Oracle 10g programming
Machine learning using Python
Cryptography and network security
Penetration Testing using Kali Linux

Career Activities

Participated in International Conference
Infosys Campus connect Member
Editorial team member of Magazines

Languages

Kannada-Native
English-Speak, Read & Write
Hindi- Speak, Read
German – Beginner

Interest and Hobbies

Reading Inspirational Books
Photography
Robotics and Artificial Intelligent

Personal Details

Date of Birth: 30th June, 1988
Passport Number: S1643921 (valid through 20/04/2018 to 19/04/2028)
Nationality: Indian

Objective

To obtain a purposeful and challenging position that enables me to utilize my technical and research skills for the growth of the Company.

Education

Ph.D.	Computer Science and Engineering, End-to-End device security for the Internet of Things,
University	Manipal Institute of Technology, Manipal
Year	Academy of Higher Education, Manipal. 2017-2021
M. Tech	Computer Network Engineering
University	VTU, Belagavi, Karnataka, India
Year	2011-2013
Grade	First Class
B.E	Computer Science & Engineering
University	VTU, Belagavi, Karnataka, India
Year	2006-2010
Grade	First Class

Publications

- "*DEC-LADE: Dual Elliptic Curve Based Lightweight Authentication and Data Encryption Scheme for Resource Constrained Smart Devices*", IET-WSS Journal, [Accepted].
- "*A Review on Lightweight Cryptography for Internet-of-Things Based Applications*", Springer-AIHC Journal, doi.org/10.1007/s12652-020-02672-x.
- "*Light-weight hashing method for user authentication in Internet-of-Things*", (2019) Ad Hoc Networks, 89, pp. 97-106, DOI: 10.1016/j.adhoc.2019.03.003.
- "*SEAD: Source Encrypted Authentic Data for Wireless Sensor Networks*", International Journal of Engineering Research and Development, (IJERD), PP.01-16 Volume 11, Issue 03, March 2015.

Achievements and Awards

- Twice best paper awards in IEEE based conferences.

References:

1. *Dr. Prema K.V.,*
   Professor and Ph.D Guide,
   Department of CS&E, MIT, MAHE,Manipal.
   Email: prema.kv@manipal.edu
2. *Dr. U. C. Niranjan,*
   Director of Research and Training,Manipal Dot Net Pvt Ltd. Manipal.
   Email: ucniranjan@yahoo.com
3. *Dr. G.G. Sivasankari,*
   Professor and M.Tech Guide,
   Department of CS&E,AMCEC, Bangalore.
   Email: mailtosiva2015@gmail.com