

Vinay M. Joshi

PERSONAL DATA

DATE OF BIRTH: 22 Jan 1992
PERMANENT ADDRESS: Nath nagar, rampur road, Degloor, Nanded, 431717
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EDUCATION

JUNE 2016 Master of Technology in CONTROL AND COMPUTING,
Department of electrical engineering, IIT Bombay
Mumbai, India
Thesis: "Fault detection in wireless sensor network data" | Advisor: Prof. Anupama Kowli
GPA: 9.25/10

JUNE 2013 Bachelor in Engineering ELECTRONICS and TELE-COMMUNICATION
SCOE, Pune, University of Pune, Pune, India
Thesis: "AVR based automated order system in restaurant" | Advisor: Prof. V. B. Baru
SCORE: 62.53%

JUNE 2009 12th S.P. college Pune **Maharashtra state board**
SCORE: 71.30%

JUNE 2007 10th G.M.V.V. Nanded **Maharashtra state board**
SCORE: 79.07%

AWARDS AND HONOURS

JAN 2015 Winner national level competition "Ideathon", VLSID conference, Bangalore, India
MAR 2015 Best speaker award, Reading group Dept. of electrical engineering, IIT Bombay

LANGUAGES

ENGLISH: Fluent
MARATHI: Mother tongue
HINDI: Fluent

COMPUTER SKILLS

Programming languages: C, Python, PHP, JAVA (Android programming), mysql, HTML,
Operating systems: UBUNTU, Windows
Software tools: Anaconda-Jupyter, Android studio, Matlab, Eagle CAD, R studio,
Arduino, AVR Studio, ~~LaTeX~~
Microcontrollers: AVR, ARM
Mini-computers: Beaglebone, Raspberry pi, Intel edison

WORK EXPERIENCE AND POSITION OF RESPONSIBILITY

- JUL 2016 - PRESENT PGET, Mahindra Susten PVT. LTD., Mumbai
My responsibilities consists of
developing high quality electronics for solar and special products
launched by Mahindra Susten
- JUL 2013 - JUN 2016 Research Assistant, PCLab, Dept. Electrical engineering, IIT Bombay, Mumbai
I worked as a system administrator in PC Lab, EE, IITB.
My responsibilities include developing and managing
website of EE department, web-server and other web-interfaces like:
Lost and Found interface for Electrical Engg. department
Improved aesthetics and access of Seminars on Electrical Engg. department website
Develop and improve web interfaces for admission process for a year
- MAR 2012 Co-head for organizing a technical event "Projection" in SCOE, Pune
Managed technical event of project presentation
Excelsior 2k12 in Sinhgad college of engineering, Pune

PROJECTS

- Jun 2016 *Fault detection in wireless sensor network data*
Advisor: Prof. Anupama Kowli
Developed neural network model for fault classification in wireless sensor data
Model achieved accuracy of about **98%** on the test data
Achieved **99%** , **93%** on correlated and non-correlated sensors respectively
- Nov 2015 *Bio-inspired wireless control of ceiling fan*
Implemented motor control of ceiling fan using Android app
Fan speed was programmed follow average healthy human body profile during sleep
Android bluetooth communication with motor control circuitry was implemented
- Jan 2015 *Mosquito density sensing and alarm*
IoT Ideathon 2015 at, VLSID and ESD 2015 Bangalore, India
Built and developed electronics circuitry
for sensing mosquito in a region using microphone sensors
- Jun 2013 *Automated ordering system for restaurant*
Advisor: Prof. V. B. Baru
Developed AVR microcontroller based touchscreen enabled wireless(Zigbee)
LCD devices that talk to central device in a star topology
System was tested with two customer modules and one chef module

INTERESTS AND ACTIVITIES

Technology, Open-Source, Programming
Quality music, playing football, chess and swimming