Sindhura Gangireddy

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Career Objective

A software developer role where my natural aptitude for analytical thinking and problem solving is best utilized in writing efficient code and developing functional platforms and applications.

Education

B.Tech. – IIT Bombay, India (Metall. Engg. Mat. Sci.) 2007   GPA: 9.16/10.00
M.S. - University of Michigan, Ann Arbor (Mat. Sci. Eng.) 2009   GPA: 3.89/4.00
Ph.D. - University of Michigan, Ann Arbor (Mat. Sci. Eng.) 2012

Skills

Web Programming: JavaScript, Angular, React, HTML, CSS
Server-side Programming: Python, Node.js
Databases: MongoDB

Coding Coursework

- BootCamp - Web Development Full Stack Program, Kal Academy
- HTML, CSS, Javascript for Web Developers - John Hopkins University, Coursera
- Datastructures and Algorithm Analysis – University of Michigan, Coursera
- Python: Programming for Everybody - University of Michigan, Coursera
- Introduction to Programming with MATLAB – Vanderbilt University, Coursera
- Basics of Fortran – IIT Bombay
- Introduction to C++: NIIT, India

Course Projects:
- Built a SPA website for a restaurant using JS and HTML.
- Built Angular application for TV program search.

Work Experience

- Research scientist, Army Research Lab   (2017 –2018)
  Managed a collaborative team of 15 members, simultaneously lead own team of 4.

- Postdoctoral researcher, NIST   (2015 – 2017)
  Worked on a prestigious White House funded initiative, generated material models using MATLAB.

- Chief Technology Consultant, Efficient Carbon Mgmt. Solns.   (2012 – 2014)
  Lead project feasibility studies and developed tools for energy projection and revenue prediction.

Awards and Leadership

- Rackham pre-doctoral fellowship with nominations for Sarah Parker prize and Lipschutz award.
- Elected director of executive board in University of Michigan Engineering Council (UMEC).
- I.I.T. Bombay academic award for outstanding performance.
- Co-founder of newsletter, Dhatuki, IIT Bombay.
- Pratibha fellowship for academic excellence from Indian government.