ASHUTOSH GUPTA

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TECHNICAL SKILLS

Languages:
- C++
- JavaScript
- Java
- Python
- SQL
- HTML
- MATLAB
- Assembly

Databases:
- PostgreSQL,
- MongoDB

Technologies/ Tools
- Node.js
- Postman
- IntelliJ IDEA

EDUCATION

M. Tech. (Computer Technology)-2017
Indian Institute of Technology, Delhi
CGPA 7.34

B. Tech. (Electronics and Communication)-2015
Netaji Subhas Institute of Technology (NSIT), Delhi
(CGPA 8.50) 77.5%

All India Engineering Entrance Exam-2011
Rank 2450

AISSCE Class XII-2011
Percentage- 92

AISSE Class XII-2009
Percentage- 94

WORK EXPERIENCE

ST Microelectronics, Intern
(May, 2014 - Aug, 2014)

- Project 'Breath Analyser' - debugging Sensor Driver code, designing chassis to house the circuit.

- Project 'USB Thermometer' - co-created the project from beginning including Schematic design, writing Driver Code, App UI design.

Projects

- Currently developing an expense sharing and management application using Node.js and PostgreSQL.

- Worked on a Server side API using Node.js and MongoDB for a website hosting recipes and dishes.

- Developed a new Reversible Data Hiding algorithm, as M. Tech. Major Project.

- Part of the IIT Delhi team of Project Prakash (a joint project of IIT Delhi and MIT to restore vision to blind-after-birth children).

- M. Tech. Course Projects
  - *Neuroscience* – developing augmented reality sound cues for visually impaired people.
  - *Computer Architecture* – implementation of Merge Sort on Hyper Cube and Linear Ring architectures.
  - *Computer Vision* – determining height of various objects in an image.
  - *Operating Systems* – implementation of different scheduling techniques and created a local LAN FTP server.

- Constructed working models of Line Follower, Edge Avoider and Sound Controlled Cars.

INTERESTS

Cricket • Gaming • Exploring • Poetry