

HEMANSHU SONDHI

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OBJECTIVE

- In anticipation of an opportunity providing intellectually challenging work in the field of software development for proving and enriching my knowledge and skills & thereby, contributing to the success of organization.

EDUCATION

Indian Institute of Technology (BHU), Varanasi

July 2014 – Current

- B. Tech. in Computer Science and Engineering (Current CGPA: 8.81)

Semester	I	II	III	IV	V	VI	
SGPA	9.27	8.38	9.47	8.75	8.47	8.53	
YGPA	8.79		9.12		8.50		

Apeejay School, Pitampura, Delhi (CBSE)

2012

- All India Senior School Certificate Examination (CGPA: 9.6)

Apeejay School, Pitampura, Delhi (CBSE)

2014

- All India Secondary School Examination (Percentage: 94.4%)

SKILLS AND INTERESTS

- Languages: C, C++, Python, Java(basic) , JavaScript, Angular Js, SQL, HTML
- Technologies: Android Studio , MongoDB(Basic), MySQL, Github , Linux Command Line, Eclipse, Arduino, Matlab(Basic), Django framework, Git, Raspberry Pi
- Areas of Interest: Web Development, App Development, Networking, Competitive Programming

TECHNICAL EXPERIENCE

UI Automation

Nutanix Software India Pvt. Ltd.

May 2017 - July 2017

- Developed UI Automation test using Selenium in java.
- Fixed various bugs in the product(SQL Mover) of Nutanix.
- Exposure: Selenium, SaltStack, Docker

Scada Monitoring System

Sunsure Energy Pvt. Ltd.

May 2016 - June 2016

- Developed a scada monitoring system for solar inverters using microcontrollers and a dashboard using django.
- Exposure: Microcontrollers like raspberry pi etc , django, Amazon services, databases

Company Dashboard Modules

Medoboss Pvt. Ltd.

Aug 2015 – Oct 2015

- Created various modules for the dashboard using Angular Js and MongoDB. Used the google map API to get the location, created a dynamically changing signup form, created a search filter to get city.

Mtech Admission Portal

IIT(BHU) Varanasi

Jan 2016 – March 2016

- Created a web portal for registration of Mtech students using django.
- Exposure: Django, HTML, javascript

PROJECTS

Position Estimation using BLE

Dr. Hari Prabhat Gupta

October 2016 - February 2017

- Estimated object position using RSSI values of BLE signals from beacons(BLE signals emitting device) using DTW algorithm and filtering techniques.

SilentIt

Self

July 2015

- An android App that changes system features like media volume, phone volume based on user-defined time.

Matplotlib and SolutionFind

Dr. Anil Neelakanti

March 2015 – April 2015

- Worked under Dr. Anil Neelakanti, IIT(BHU) to implement various iterative methods like Newton ,fixed point Iteration etc. to find solution of an equation in python.
- Created dynamically changing graph in Matplotlib to show the working of bisection method to find solution for various user-defined datasets.

Chatter	Self	October 2015
<ul style="list-style-type: none"> Created a chat application for different clients on a local network using python modules like Tkinter, Thread and Socket. 		
Pixelate	Technex(IIT(bhu) Varanasi)	March 2015
<ul style="list-style-type: none"> Made an autonomous robot using arduino that runs on a given map using image processing using matlab. It calculates the shortest path using dijkstra shortest path algorithm. 		
Cancer Detection using ML	Prof. KK Shukla	Jan 2016 – April 2016
<ul style="list-style-type: none"> Worked under Prof. KK Shukla, IIT(BHU) to train various algorithms using a given cancer dataset and then use it for getting output for a given test data and Compared the accuracies of 3 algorithms for the same. The algorithms were Picard-Nesterov, FoGLasso and Proximal-Gradient. 		
Game of Brains	Microsoft Hackathon	January 2016
<ul style="list-style-type: none"> Created 2 brain strategy games based on windows platform and created the computer player also based on nim game. 		
Linux Shell	Dr. Hari Prabhat Gupta	March 2016
<ul style="list-style-type: none"> Created own linux shell with c input/output and system basic commands to do basic shell features. 		
Jukebox Music Player	Self	May 2015
<ul style="list-style-type: none"> An application using HTML, javascript and Python to play music by a group of people in a Local Area Network or Wifi network on installed speakers at a place. The clients can be connected to network by either mobile phone or PC. 		
SecureTM API	Self	February 2015
<ul style="list-style-type: none"> Build an API for mobile number verification by sending OTP on to be verified phone using ways2sms. 		

ACHIEVEMENTS / EXTRA CURRICULAR ACTIVITIES

- Secured 76 rank in the prestigious **ACM-ICPC 2016** Amritapuri site.
- Got an A* grade for outstanding performance in course of Data Structures in Sem 3.
- Secured 222 rank for the Award of KISHORE VAIGYANIK PROTSAHAN YOJANA (**KVPY**) **Fellowship-2013** conducted by **Indian Institute of Science, Bangalore, India** under SX-General Merit List out of 1255 selected students at All India Level.
- Qualified for the final round of **Eyantra: 2014-15** (National Level Robotics Competition - for betterment of Environment), coded using Atmel Studio.
- Qualified for the finals of **Robotics event Pixelate: Technex-15** (Image Processing) by making an autonomous robot using Arduino which works on the colour detection of continues images in the video input given to it by a camera.

PERSONAL INFORMATION

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| <ul style="list-style-type: none"> Father: Sanjiv Sondhi Gender: Male Nationality: Indian Address: 329, Bhera Enclave, Paschim Vihar, New Delhi-110087 | <ul style="list-style-type: none"> Mother: Anju Sondhi Date of Birth: 14/11/1995 Languages: Hindi, English, German(basic) |
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