

Sidhartha Singh

OBJECTIVE

A CS engineering graduate from Amity University aiming to secure a challenging position where I can effectively contribute my skills as a software professional

INFO

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TECH SKILLS

Languages

PHP, Java, C / C++, Python, JavaScript, BASH

Frameworks / Environments

NodeJs, AngularJs, Android, WordPress APIs, Arduino

Tools / Databases

Git, Matlab, MongoDB, MySQL, Redis-Server

NON TECH SKILLS

- Analytical skills
- Team work
- Problem solving skills
- Creativity

LANGUAGES KNOWN

English, Hindi, French

EXPERIENCE

August 2018 – September 2018

Software Engineering Trainee • Black N Green • Gurugram

- Worked on company's WAP system. Did code refactoring and built scripts for intra-database data migration from MySQL to MongoDB for better performance and code readability.
- Did code conversion of PHP based programs to NodeJs which enhanced speed of the programs.
- Built numerous Cron jobs for automated Drive space management, Media file compression and Dynamic IP tracing on product's Linux server which solved various issues that were earlier manually done.

May 2017 – July 2017

Software Engineering Intern • Little Black Book • New Delhi

- Built data migration scripts for hierarchical data of WordPress.
- Created elements for the LBB's admin panel which assisted the marketing team in managing user posts.
- Did code refactoring, testing and debugging of the code base for better readability and understanding.

PROJECTS

May 2018 – June 2018

Job Application System • Drexel University, PA, USA • Remote

- Managed and influenced a team of four people by dividing responsibilities and assigning tasks to develop a Job Application System for the outsourcing class of Drexel University, Philadelphia, PA, USA.
- Successfully developed a search engine for in-file keyword search on uploaded files that enabled user to search for resumes through keywords.

November 2017 – December 2017

Voice iP – Local Network VOIP • New Delhi

- Developed a VOIP app using basic libraries like socket.io and jQuery to enable users on local network interact with each other instead of using internet-based applications.
- Successfully completed the build and test of the project and used it as personal service for home.

November 2016 – April 2017

Amishouts.com • New Delhi

- Amishouts.com was a self-initiated web-based project that consisted of a web app that used to collect local posts from the user and post them publicly with the identity of the post admin remaining anonymous.
- The service reached a user base of approx. 200 before being shut down.

October 2016 – November 2016

Python Interpreter – Using JDK • Amity University • New Delhi

- As a part of the open-ended problem for the course "Compiler Construction", I developed a Python Interpreter completely written in Java. The language written supported features like variable creation, arithmetic operations etc.

May 2016 – June 2016

Drone 5iD – Drone Controlling App • Amity University • New Delhi

- Developed a self-designed framework for reducing the efforts in setting up of RC drones by building an Android app that pairs up with an Arduino based quad-copter and sends byte-data.
- Built a RC quad-copter drone using Arduino micro-controller for testing purposes.

EDUCATION

July 2014 – June 2018

B.Tech CSE • Amity University • Noida, UP

- The core coursework involved Data Structures, Algorithm Design, Computer Networks, Database Management Systems, Software Design and Applied Mathematics.
- Was core-member of the ACM chapter and Entrepreneurship Development Cell of Amity university for the period of my study. I have a Cumulative GPA of 6.94

April 2018 – June 2018

Cultural Exchange • Adelphi University • NY, USA

- The exchange helped me in an overall growth through the various cross domain subjects taught to us including Sustainable Development, Organizational Development, Business Technology and core subjects like Blockchain, iOS and Mobile App development.
- The objective of the exchange was to get an insight of the foreign culture and the education there, while completing the graduation.

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April 2002 – March 2014

Junior / Secondary / High School • Oxford Sr. Sec. School • New Delhi

- Cumulative GPA of 8.8 in X standard.
- Percentage score of 87.2 in XII standard with Computer Science as the additional subject.

COMMUNICATION

- Lead presenter of major project in front of the judge panel.
- Addressed several events of Entrepreneurship Development Cell to an audience of 400+ at occasions like Induction, AYF 2017, AYF 2016 etc.

LEADERSHIP

July 2017 – June 2018

President • Entrepreneurship Development Cell, Amity University

- My responsibilities as a president of the cell revolved around taking care of the day to day functioning of members, holding brain storming sessions around idea generation, event designing, sponsorship management and event publicity.

PUBLICATION

A Modified Technique for Li-Fi Range Extension • Springer Singapore

- Although Li-Fi provides and unmatched data transfer speed over other prevailing technologies, there are few limitations and disadvantages of using it which further attribute to cost, maintenance, range, etc. The paper provides a theoretical method to implement range expansion of Li-Fi devices.

SELECTED ACHIEVEMENTS

- Scored 95 Percentile in CAT 2018 and 96 Percentile in XAT 2019.
- Qualified for ACM ICPC Amritapuri onsite regionals held in December 2015.
- Scored 90% in Computer Science in 2014 board exams conducted by CBSE.
- Qualified the written exam as well as the Screening test for the prestigious National Defense Academy in September 2014.