

Passionate explorer of new technologies. Keen learner and ardent coder. Love to tinker with algorithms and strive to improve on them. Aspire to work in fields of Blockchain, Machine Learning and Data Analytics. Hands on experience with Web Development, Cloud Computing, Networking & Cybersecurity. A regular contributor to projects on GitHub.

Amateur Guitarist, Music Composer, Freehand Sketcher and Writer.

Achievements:

- 2019 Member of Tech Team for Bitotsav '19, the annual cultural fest of BIT Mesra.
- 2018 Secured 113th rank at ACM ICPC Amritapuri Regionals.
- 2018 Secured a global rank of 46 in Round E of Google Kickstart.
- 2018 Secured a global rank of 179 in Round D of Google Kickstart.
- 2018 Secured 1st Position in Git Heat (Open Source Development Competition organized by IET).
- 2018 Secured 2nd Position at Hack in the North Hackathon conducted by IIIT Allahabad.
- 2017 Secured 26th rank at ACM ICPC Chennai Regionals.
- 2017 Core Member of Web Team for development of Web Apps for Pantheon 2017
- 2017 Secured 1st position in DevHacks 2017 (Open Source development competition).

Work Experience:

Interned at Microsoft India Development Center, Hyderabad. Worked on a prototype system to automate the process of background verification of employees. The system was conceptualized using concepts of Block chain and Cryptography, Hyper ledger.

Role: Lead developer, API management and deployment.

Technology: Fabric and Composer, Docker, Node JS.

Education:

Currently pursuing Bachelor of Engineering at Birla Institute of Technology majoring in Computer Science and Engineering with focus on System Design and Theoretical Computer Science (CGPA: 8.87/10).

- 2015 High School (Physics, Chemistry, and Mathematics), Delhi Public School, Ranchi (scored 94.8%)
- 2013 Class X, Matriculation, Oxford Public School, Ranchi (CGPA: 10/10)

Academic Projects:

- Currently working on a data analysis project to determine factors affecting cardiovascular diseases. This project involves using Statistics and Machine Learning tools to analyze the cardiovascular diseases (leading cause of death in US) dataset.

Technology Stack: Python, Keras and Hadoop

- **IntelliC (April, 2018):** A Machine Learning C++ Library wrote from scratch. It supports most of the standard Machine Learning algorithms.

Technology Stack: C++ and Standard Machine Learning Algorithms

- **Docker as a Service (Mar 2018):** This project was completed at Hack In The North 2018 Hackathon conducted by IIIT Allahabad and under the guidance of Mr. Gaurav Dubey (CEO of ITH Technologies). DaaS (Docker as a Service) aims to provide easy computation and storage solutions on a local network. Each user can register and setup multiple containers, based on various images with an easy to use CLI.

Technology Stack: Docker, Python and DigitalOcean Cloud.

- **Proxy Server (Nov 2017):** An HTTP Proxy Server, written in Python, to proxy HTTP requests. Built upon Sockets, it is hosted on Google Cloud and helps in unblocking sites that are blocked by ISPs or network administrators.

Technology Stack: Socket API, Python, HTTP and Google Compute

Position of Responsibility

1. Technical Coordinator, **ACM Student's Chapter**, *BIT Mesra*
2. General Body Member, **IEEE Student's Branch**, *BIT Mesra*
3. Tech Lead, Hack-A-BIT (Student Hackathon), *BIT Mesra*

Links

- GitHub - <https://www.github.com/sonudoo>
- LinkedIn - <https://www.linkedin.com/in/sushantkgupta/>
- Website - <https://www.sonudoo.com/>