



Sahil Sharma

B.Tech - Computer Science and Engineering

+91-9380208614
sahil1010sharma@gmail.com
[linkedin](#)

EDUCATION

Degree/Certificate	Institute/Board	CGPA/Percentage	Year
B.Tech. Major	Indian Institute of Technology, Guwahati	8.20	2014-2018
Senior Secondary	CBSE Board	93.2%	2014
Secondary	CBSE Board	10	2012

EXPERIENCE

- Enphase Energy** Feb. 2022 - Sept. 2023
Senior Software Developer Bengaluru
 - Developed and maintained high-volume & low-latency micro-services architecture.
 - Successfully led the migration from a Ruby based monolithic to Java based micro-service architecture, resulting in improved scalability and performance.
- Anveshan** Jan 2021 - Oct 2021
Senior Developer Gurugram
 - A food tech startup, which empowered customers by providing Farm to Fork product quality and processing information.
 - We, therefore, developed Anveshan Traceability Solution(ATS) - A Django based proprietary solution designed & developed over PostgreSQL database with features as : Inventory upkeep, Customer Relationship Management as well as Orders Analytic.
- Samsung Research and Development Institute** July 2018 - Aug 2019
Software Engineer Bengaluru
 - Finding solutions in the domain of 4G Network while developing a robust protocol framework for MAC layer in 4G architecture.
 - Design and development of a multi-interface simulator to assist development of MAC layer functionalities.

ACHIEVEMENTS

- AIR 891**, in IIT Joint Entrance Exam. 2014
- Global professional coding exam**, Qualified global wide coding exam conducted within Samsung. 2019
- Journal Work**, Empirical analysis of MPTCP in SMART City. [[HyperLink](#)] 2018
- Group A Conference Paper**, Cooperative Adaptive Cruise Control based platooning. [[HyperLink](#)] 2018
- Research fellowship Scholarship**, KVPY secured a position in top 1%. 2013

GITHUB PROJECTS

- Indoor Geo-Positioning System** Aug. 2016 - Nov. 2016
Dr. Shivashankar B. Nair [GitHub](#)
 - IOT based Geo-location system developed for buildings to overcome shortcomings of GPS.
 - Raspberry Pi2 based centralized server.
 - Xbee based radio communication b/w Raspberry pi2 and every individual arduino set.
- Video Recommendation Application** Feb. 2017 - Apr. 2017
Dr. Amit Awekar & Dr. S. Ranbir Singh [GitHub](#)
 - Web App development using MySQL to log and recommend videos akin to YouTube.
 - MongoDB used to store video data.
 - Neo4j was storing weighted relationship among videos.
- Flash - 2D Car racing Game** Feb. 2016 - Apr. 2016
Dr. Amit Awekar [GitHub](#)
 - Flash is a tile based cross platform 2D racing game developed majorly in Unity.
 - A player can choose among multiple cars and tracks with a smooth game play.

TECHNICAL SKILLS

- Programming:** Python, C/C++, Java, Golang
- Web Technology:** HTML, CSS, Javascript, Bootstrap
- Tools/Database Management:** MySQL, NoSQL, Neo-4J, PostgreSQL, Redis, Unity Engine
- Frameworks:** Spring, Django
- Network Simulators:** VENTOS, Mininet-WIFI, SUMO

KEY COURSES TAKEN

- Algorithm:** Data Structures, Modern Algebra, Algorithm for Wireless Ad-hoc and Sensor networks
- Operating Systems:** Computer System Security, Wireless Security