Sahil Gupta

sahil16gupta11@gmail.com | GitHub | LinkedIn | Portfolio | +91-7249999056 | Hyderabad, India

EDUCATION

Birla Institute of Technology and Science, Pilani   **January 2024 - Present**
Master of Technology in Cloud Computing (WILP)   **9.34 GPA**
Relevant Coursework: Big Data Systems, Parallel Programming, Cloud Computing, Network Fundamentals for Cloud, Distributed Computing, Stream Processing and Analytics, API Driven Cloud Native Solutions, Scalable Services, Cloud Security, DevOps for Cloud, Data Warehousing, etc.

Jaypee Institute of Information Technology, Noida   **July 2017 - July 2021**
Bachelor of Technology (Hons.) in Computer Science & Engineering   **8.6 GPA**
Relevant Coursework: Data Structures & Algorithms, Software Engineering, Computer Networks, Advanced Database, DevOps, Data Mining, etc.

TECHNICAL SKILLS

Programming Languages: Java, JavaScript, TypeScript, Python, C, C++, SQL.
Backend & Microservices: Spring, SpringBoot, Node.js, REST APIs, IPC, TDD, BDD.
Frontend Development: HTML5, CSS3, MaterialUI, BootStrap, React, Angular, Redux, SSR, Module Federation.
Databases & Messaging Systems: MySQL, PostgreSQL, MongoDB, ClickHouse, BigQuery, Redis, Kafka, ElasticSearch, Pub/Sub.
Cloud & DevOps: AWS, GCP, Docker, Kubernetes, Terraform, Jenkins, Git, GitHub, GitHub Actions, CI/CD Pipelines, Scrum, Jira, Airflow.
Data Science: Machine Learning & Artificial Intelligence, Data Mining & Processing, Data Visualization & Analytics, Big Data, Generative AI.
Testing & Monitoring: Selenium, Mocha, Jest, Cypress, JUnit, New Relic, Grafana.

WORK EXPERIENCE

Senior Software Engineer | RevSure AI, Bengaluru, India   **Jan 2025 - Present**
- Designing, developing, and maintaining data integrations across various sources and targets, ensuring accuracy and efficiency.
- Developing APIs, microservices, and interactive dashboards, optimizing performance and user experience across AI-driven enterprise grade, multi-tenant SaaS based application hosted on Cloud.

Software Engineer 2 | Rugged Monitoring, Hyderabad, India   **July 2023 – Jan 2025**
- Designed and implemented Inter-Process Communication (IPC) mechanisms and APIs for seamless integration of multiple AI services into the core product's backend.
- Diagnosed and resolved critical memory leaks and change detection issues, optimizing UI performance by 20%.
- Engineered a lightweight, high-performance application for embedded systems, achieving a smooth UX and minimal memory footprint.
- Mentored and guided a team of 10+ interns, delivering technical training and overseeing successful project completions.

Junior Associate | Beskar Technologies, Bengaluru, India   **May 2022 – June 2023**
- Developed a microservice to integrate external user document signing capabilities into an existing Quality Management System (QMS), including key features like mailing services and user portals.
- Conceptualized and implemented a scalable and configurable Revenue Operations (RevOps) platform, creating notification systems, dashboards, and dynamic configurations to enhance user experience.

Software Engineer | Finvolv, Bengaluru, India   **Aug 2021 - May 2022**
- Collaborated on a cloud-focused Data Security and Cyber Safety project, leveraging Java Spring Boot, React, and GCP to enhance cloud-based workspace security.
- Delivered multiple features using GCP APIs, enabling advanced security measures for teams working on cloud platforms.

Intern Developer | Finvolv, Bengaluru, India   **Feb 2021 - July 2022**
- Developed a policy-risk management application, streamlining data security assessments through automated risk detection in user files.

ACADEMIC PROJECTS

Policy Risk Management App | SpringBoot   **Feb 2021 – Apr 2021**
- Designed and developed a web application to automate the detection and reporting of policy-based risks in user files, reducing compliance assessment time by 60%.
- Enhanced data security for enterprise users by implementing robust policy-check algorithms and integrating real-time reporting features.

Algorithm Prediction in ML | Machine Learning   **July 2020 – Dec 2020**
- Automated the complex process of algorithm selection for machine learning problems, improving efficiency for data scientists by 50%.
- Developed a recommendation engine that leveraged statistical models and user input to predict optimal algorithms, significantly reducing experimentation time.

Drowsiness Detection System | Machine Learning & Deep Learning   **June 2019 – Dec 2019**
- Designed a machine learning and deep learning-based application to detect driver drowsiness in real time, improving road safety by alerting users with 90% accuracy.
- Incorporated computer vision techniques for facial and eye movement tracking, ensuring high performance even in low-light conditions.

CERTIFICATIONS & COURSES

Web Development - NodeJS | Coding Blocks   **Sep 2018 – July 2019**
Data Science Master | Coding Blocks   **May 2019 – Apr 2020**
Competitive Programming | Coding Blocks   **June 2020 – Dec 2020**

INTERESTS

Full Stack Development, Cloud and DevOps, Databases, Distributed System Architecture, Machine Learning & Artificial Intelligence

HOBBIES

Cooking, Watching Documentaries and Movies, Listening Music, Painting and Crafts

LANGUAGES

English & Hindi