SIDDHARTH GUPTA

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EDUCATION

Bachelors of Technology, IIT (BHU) Varanasi — 2020 - 2024
Mining Engineering, GPA: 8.87

SKILLS

Languages	Java, C++, Python, SQL
Technical Skills	Spring Boot, Microservices, PostgreSQL, Django, Apache Pulsar
Soft Skills	Problem Solving, Leadership, Teamwork, Event Management

EXPERIENCE

Sirion Labs — Software Engineer — July 2024 - Present

- Successfully migrated specific features from Admin 1.0 to Admin 2.0, enhancing UX and self-serve admin tasks.
- Developed backend using **Java SpringBoot**, PostgreSQL, and MyBatis, improving performance by 20%.
- Implemented CRUD functionalities with **100%** field validations and detailed logs using **LLM** based suggestions.
- Ensured sync between both the admins using AI-assisted checks, boosting scalability and user efficiency by **25%**.

Futures First — Quant Intern — May 2023 - july 2023

- Developed algorithm predicting a shift in **yield curve** using Economic Indicators of USA, Eurozone and UK.
- Devised **10 KPIs** via thorough research and statistical analysis across diverse market macrostructures.
- Applied HJM and CIR interest rate models for Eurodollar market prediction, achieving **30%** higher accuracy.

PROJECTS

HRMS Microservices System — May 2024

- Implemented a scalable microservices-based HRMS for managing employee data and project assignments.
- Used **SpringBoot**, Eureka, OpenFeign, and MySQL, enabling seamless communication between **microservices**.
- Implemented CRUD, hire/fire features, and real-time updates with **LLM** assistants for HR queries.
- Improved performance by **30%** through optimized microservice architecture, resulting in faster response times.

E-BHU Cart — May 2022

- Created an e-commerce site for the college community to facilitate the buying and selling of various products.
- Developed a **backend** system with python using the Django Web Framework for seamless website functionality.
- Implemented Product, Cart, Tracker, Contact pages using HTML and CSS for user-friendly website interaction.
- Implemented item search, tracking, and Razorpay integration for seamless user experience and secure payments.

Autonomous Path Following Robot — March 2021

- Designed an autonomous robot with a dragging mechanism using live video feed, image processing, Dijkstra's algorithm, and AI-based route prediction to find optimal paths with Python and OpenCV.

POSITION OF RESPONSIBILITY

Marketing Head — Cultural Fest IIT Varanasi — April 2022 - April 2024

- Led a 3-tier team of 25+ for pitching and negotiating sponsorship deals with over 250 companies.(**50%** increase)

LEADERSHIP

- **Google Hashcode 2022**: Achieved a global rank of 689 and **AIR 117** out of 9,000+ participating teams.
- Global Rank 318 in World Quant Championship among 30k+ participants and **Gold** medalist on World Quant.
- Secured Publicis Sapient Jumpstart 2022 spot, ranking **top 3%** among invited candidates post coding rounds.