

Sarthak Gupta

sgupta4@andrew.cmu.edu • 650-705-8900 • linkedin.com/in/sarthakgupta04/

EDUCATION

Carnegie Mellon University

Master of Science in Software Management

Mountain View, CA, USA

GRADUATION DATE: December 2024

Courses: Foundations of Software Management, Product Management, The Business of Software, SDLC, Metrics for Technology, Products and Services, Software Engineering, Agile, System Architecture, Distributed and parallel systems

Vellore Institute of Technology

Bachelor of Technology in Computer Science

Vellore, TN, India

June 2022

4/4, Dean's List for First Year, Highlights: Object-oriented design, DBMS, Advanced Algorithms, Linear Programming, Cloud Computing, OpenShift, Problem Solving, Advanced Algorithms, Machine Learning, Software Development, Networking

SKILLS

Languages: Python, C++, JavaScript, SQL, Bash, JavaScript, Golang, PHP, HTML, CSS, GraphQL, C#, TypeScript, Java

Frameworks: Django, Flask, NodeJS, ReactJS, Scikit, Boto3, TensorFlow, REST APIs, gRPC, FAST APIs

Tools: Kubernetes, Docker, GIT, PostgreSQL, MySQL, SQLite, MS Excel, Tableau, Power Point

Platforms: Linux, Web, AWS, Google Cloud Platform, Snowflake, Airflow, Grafana, Scalyr, Power BI, Azure

EXPERIENCE

MakeMyTrip (Unicorn Travel Company)

Software Engineer

Bengaluru, India

January 2022 - August 2023

- Engineered enhancements for a B2B hotelier app, focusing on solving **QC Reject Flows, Duplicate Listings, and Fake Onboarding**, achieving 90% reduction in issues and enhancing platform growth
- Developed a sophisticated **Automation framework**, abstracting micro-service references, resulting in throughput improvement of 4.5x, latency reduction of 78%, and packet **size reduction of 80%** using GraphQL and GoLang
- Built multiple RESTful APIs and frameworks **using Django, MySQL, Kafka, AWS, Jenkins, and JavaScript**, boosting content distribution speed by around 3x for optimized pipeline efficiency and cost reduction

FuncBox LLP (Edtech Platform)

Software Engineering Manager, Co-Founder

Bengaluru, India

February 2021 - August 2022

- Architected an innovative Coding Education Tool for children, leveraging technologies **including ReactJS, NodeJS, and SQL**. Empowered by real-time Code Editor, Tap-to-Share feature and seamless payment integrations
- Designed a Devised design to develop technical specs like QR code sharing mechanism, **AI based recommendation system** for assisted coding & multi-line function suggestions in Code Editor, leading to a 40% inc. in user engagement
- Spearheaded the MVP launch & tech roadmap for a Coding Education Platform, with a **Database Design, CI/CD integration, and Agile Planning** to elevate product-market fit and drive business growth up to 300%

DigiLocker (Digital Document Wallet)

Software Engineering Intern

New Delhi, India

June 2021 - August 2021

- Steered Partnered with Development Teams to create a user-centric Product Roadmap, enabling storage, verification (KYC) and retrieval of essential Documents, Certificates, and Licenses digitally powered via Virtual Private Cloud Network with hands-on experience of **AWS cloud, AWS EC2 and gateway integration**
 - Directed implementation of 256-bit SSL Encryption and scalable mobile authentication system (SOC complaint), alongside regular security audits to achieve **zero breaches** with **Encryption-at-Rest and Transit**
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PROJECTS

- Bulls vs. Bears:** Built a dynamic virtual trading platform to simulate use of virtual money to enable real-time stock trading with features such as **Advanced Charting Tools, Real-time News Integration, Dynamic Leaderboards, Instant Transactions, Customizable dashboards** leveraging Flask, Python REST API, and SQL (May '21)
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ADDITIONAL INFORMATION

- President, Association for Computing Machinery:** Pioneered impactful initiatives including "Diversity in Tech, and Inspire Her", amplifying community engagement and increasing membership by 300% (Jan '20-Jan '21)
- Awarded Go-Tripper of the Month** award for best-engineered product in Nov '22
- Winner of UpStart-Biz Hackathon** conducted by IIT Kanpur among 200+ teams in Apr '21
- CodeChef Platform:** 6 Stars, Global Rank: 1100, Ranked 41 Global in Div. 1, 14th National in Long Challenge Competition