

SIDDHANT SHAMBHARKAR

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Professional Summary

Accomplished Software Engineer holding a Master's degree in Computer Science from IIT Kharagpur, with a focus on full-stack development. I have significant experience in Python, JavaScript, and cloud infrastructure. I have a proven ability to deploy scalable applications and thrive in high-pressure situations, using my strong technical skills to tackle complex problems and drive business innovation.

Education

IIT Kharagpur <i>Master of Technology in Computer Science</i>	August 2022 – May 2024 CGPA:8.02
MIT College of Engineering, Pune <i>Bachelor of Engineering in Information Technology</i>	August 2017 – May 2020 CGPA:6.99
Government Institute of Polytechnic, Aurangabad <i>Diploma in Information Technology</i>	August 2014 – May 2017 CGPA:7.8

Technical Skills

Languages/Libraries: C, C++(STL), Python(PyTorch, OpenCV), SQL, NoSQL, Node.js, React, Shell Script, JavaScript
Developer Tools: Git, Postman, Vim, LaTeX, VS Code, Google Colab
Technologies/Frameworks: Flask, Falcon, APIs, Multi-threading, Web-sockets, AWS, Kafka, Nginx, Redis
Subject Knowledge: Operating System, Networking, DBMS, Software Design, Cloud Computing, Computer Architecture

Experience

Backend Developer <i>Aparoksha Financial Services Private Limited.</i>	May 2024 – Present Bengaluru, Karnataka
<ul style="list-style-type: none">Created an efficient loan processing system for two-wheelers using Python and Falcon, which cut transaction times by 30% and improved system security.Developed a scalable integration pipeline with Bash and Python across distributed platforms, which doubled the rate of new lender additions and greatly enhanced business scalability.Guided a team in building a de-duplication server to combat loan fraud, leading to an 80% reduction in duplicate applications and significantly strengthening data integrity. Encouraged strong collaboration among team members to enhance project delivery.	
Full-Stack Developer <i>Expert Script Soft-Solutions</i>	June 2020 – June 2022 Sambhajinagar, Maharashtra
<ul style="list-style-type: none">Created a product recommendation system using React and Machine learning, resulting in a 20% increase in user engagement.Built a robust Node.js backend that can manage more than a million transactions per day across distributed systems, enhancing transaction speed and system responsiveness.Achieved 99.9% system reliability and uptime by integrating Apache Kafka for efficient real-time data synchronization and inter-service communication.	

Projects

Chat Application with Abusive Text Detection	February 2023
<ul style="list-style-type: none">Constructed a CLI-based chat app using socket programming with real-time abusive text detection, enhancing user safety with 85% accuracy.Integrated non-blocking calls for improved concurrency, supporting private messaging, group chat, and broadcast features.Tuned a multilingual BERT model (mBERT) to enhance context-sensitive language understanding, enabling effective moderation across diverse linguistic environments.	
Predictive StockTrader: AI-Driven Market Investment Platform	April 2023
<ul style="list-style-type: none">Developed an AI-powered web application for stock investment using Flask and LSTM models, reaching a prediction accuracy of 90%.Implemented a dynamic algorithm for daily portfolio adjustments to optimize ROI based on historical market analysis.Utilized PostgreSQL for secure transaction processing, ensuring robust and scalable management of financial data.	