

SUMMARY

Full-stack engineer with 2+ years delivering scalable cloud-native FinTech and AI products end-to-end. I am an expert in Python (FastAPI, Django), React micro-frontends, AWS (EC2, S3, Lambda, RDS, DynamoDB) retrieval-based LLM architectures. Owns system design, secure SDLC, and CI/CD, cutting latency 30% and infrastructure cost 40%. Thrive in close collaboration, high-volume environments and enjoy shipping customer-centric solutions fast.

EDUCATION

Master of Science in Software Engineering Systems <i>Northeastern University, Boston</i>	May 2025 GPA: 3.7
Relevant Coursework – Object-oriented programming with JAVA and C++	
Bachelor of Technology in Information Technology <i>Sri Krishna College of Technology, India</i>	May 2022 GPA: 3.5

SKILLS & CERTIFICATIONS

Programming Languages: Python, Java, JavaScript, TypeScript, SQL, Shell
Front-End: React JS, Vue JS, HTML5, CSS3/Sass, Bootstrap, jQuery, Responsive Design, Webpack 5 modular federation
Back-End & APIs: Node JS, Next JS, Express JS, Django, Flask, FastAPI, Java Spring Boot, RESTful & GraphQL APIs, OAuth 2.0 / Passport JS, Microservices
Cloud & DevOps: AWS (EC2, S3, Lambda, RDS, DynamoDB, CloudFormation, Batch), Azure, Docker, Kubernetes, Terraform, Git, Jenkins, Continuous Integration / Continuous Deployment, Atlassian (Jira, Confluence), Agile/Scrum
Databases: PostgreSQL, MySQL, SQL Alchemy, MongoDB, Redis, Pinecone (Vector DB), Arango DB (Graph)
Testing & Quality: Saas, Gulp, Yarn, Unit & Integration Testing, SonarQube, Code Coverage, TDD
AI / ML & LLMs: Prompt Engineering, OpenAI GPT-4, Claude, DeepSeek, Lang Chain, RAG, cu Graph, Hugging Face, Fine-Tuning, Knowledge Retrieval

WORK EXPERIENCE

Full-Stack Software Engineer	<i>Applied Data Finance Private Limited, Chennai, India</i>	Jun 2021 - Aug 2023
<ul style="list-style-type: none">Revitalized legacy systems with Python, boosting page performance 50% and lowering bounce rate 35%.Pioneered React migration, cut maintenance costs 40% and reduced initial load by 2.1 s.Integrated Flask microservices with AWS (Lambda + S3 + RDS), slashing document processing latency by 68% and serving 400 K+ users.Decreased PostgreSQL database load by 42% with Redis caching, doubling concurrent sessions.Enhanced Java Spring Boot APIs with MVC, cutting transaction latency 35% across core lending workflowsAutomated configuration sync, eliminating manual backend-frontend updates and saving development hours.Containerized CI/CD with Docker, enabling zero-downtime deployments and accelerating QA cycles by 75%.		
Flutter Developer Intern	<i>8 One Technologies, Remote</i>	Feb 2021 – June 2021
<ul style="list-style-type: none">Shipped a cross-platform application (Android, iOS), ensuring responsive UI design across 95% of target devicesMentored team members, enhancing documentation and unit testing, increasing code coverage from 60% to 85%Added state-management & lazy-loading, cutting render time 10% and memory usage 15% on low-end devices.		

PROJECTS

Stock Market Prediction Using Parallel Computing and Sentiment Analysis - Project Link	Sep 2024- Dec 2024
<ul style="list-style-type: none">Leveraging HPC clusters, GPU acceleration, and parallel processing reduced model training time by over 50%The sentiment analysis on news articles uncovered how public opinion and news events directly impacted stock prices, providing an additional predictive layer to the model.	
Atlee AI - Personalized PDF Assistant - Project Link	Feb 2024 - Apr 2024
<ul style="list-style-type: none">Optimized prompt design & document chunking to reduce LLM hallucinations 40 % and improve answer accuracyEnhanced usability by building a simple, interactive UI where users can upload PDFs and get insights faster.Built a browser extension to capture user interaction history for personalized user experience	
Share Quill - Project Link	Oct 2023 - Dec 2023
<ul style="list-style-type: none">Designed RESTful backend (Express + MongoDB); sustained 160 ms avg response for 20 concurrent usersImplemented JWT auth, role-based ACL and Stripe payments; deployed on Heroku with CI workflow.	
ERP System – Project Link	May 2020 - Feb 2021
<ul style="list-style-type: none">Developed a customized ERP system for faculty members, achieving a 10% reduction in data entry errorsEstablished access control for three distinct user types, ensuring secure and appropriate access across the systemEnhanced log tracking by 20%, enabling administrators to gain a comprehensive view of staff activities	