

Shriya Thai

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PROFESSIONAL EXPERIENCE

BotPoint

Nov 2025 – Present

AI Engineer — AI Platform Engineering

- Architected and scaled a comprehensive AI platform to 2,000+ users, designing the system for high availability and seamless full-stack performance.
- Engineered a core AI Sandbox feature for advanced context engineering, serving as the platform's primary technical driver for custom AI workflows.
- Developed an AI-driven RSS Reader powered by Groq, allowing users to interactively query live feeds and receive instant, concise news synthesis.
- Designed and implemented mission-critical features, including Role-Based Access Control and Stripe payment pipelines.
- Optimized full-stack performance, specifically enhancing database indexing and frontend rendering to accelerate data retrieval and improve UX responsiveness.

TechRobots Inc

Jan 2024 – May 2025

Software Engineer — USA

- Architected a Node.js MCP with AI agents enabling secure real-time data retrieval and automating 65% of technical troubleshooting workflows.
- Optimized shared database throughput for 100K+ monthly requests by implementing Redis look-aside caching and refactoring legacy SQL joins, reducing P99 latency by 25%.
- Engineered a multi-stage AI orchestration pipeline utilizing SLM on AWS Bedrock for real-time semantic filtering of 500k+ logs, reducing operational token costs by 25%.
- Re-engineered API traffic management layers to support high-frequency AI agent requests, tuning Circuit Breaker thresholds to protect monolith stability.
- Developed a Context Optimizer that dynamically transformed verbose responses from internal Java modules into structured data for LLM ingestion.

Changing the Present

Aug 2023 – Dec 2023

Software Engineer Intern — USA

- Designed the database schema and backend architecture for a career profiling platform.
- Developed robust REST endpoints to handle user data processing, ensuring ACID compliance.
- Integrated backend services with React frontends, debugging cross-origin issues and optimizing JSON payload sizes for faster rendering.

Accenture Solutions

Nov 2020 – Nov 2021

Software Engineer — India

- Maintained and enhanced enterprise Java application, focusing on service-layer logic and business rule implementation.
- Worked on report analysis using SQL and optimizing SQL queries for faster data retrieval.
- Wrote test cases increasing code coverage and reducing regression bugs in production releases.

EDUCATION

Master of Science in Computer Science, California State University, Long Beach

May 2023

Bachelor of Engineering in Computer Science, Visvesvaraya Technological University, India

Aug 2020

TECHNICAL SKILLS

Backend & APIs: Java (Spring Boot), Node.js (Express), Python, RESTful API Design

Frontend: React.js, TypeScript, JavaScript, CSS3, HTML5

AI Infrastructure: LLM Orchestration, RAG Pipelines, Vector Databases (Pinecone), LangChain, MCP, PyTorch

Data & Storage: SQL (PostgreSQL, MySQL), Redis (Caching), Database Indexing & Optimization

DevOps & Cloud: AWS (Bedrock, EC2, S3), Docker, Kubernetes, CI/CD, Git