

# 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