

SRIBHUVAN REDDY YELLU

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EDUCATION

Master of Science in Computer Science, Georgia State University

Jan 2024 - Dec 2025

Bachelor of Science in Computer Science, Georgia State University

Aug 2020 - Dec 2023

• Graduated Summa Cum Laude

SKILLS

Languages Java, Python, JavaScript, TypeScript, Swift, Kotlin, HTML5, CSS

Frameworks Next.js, React, React Query, Angular, Node.js, Spring Boot, Flutter, TensorFlow, PyTorch

Database SQL, Firebase, MongoDB, MySQL, PostgreSQL, SQLite

Tools Azure DevOps, AWS, Docker, GraphQL, Git, Kubernetes

PROFESSIONAL EXPERIENCE

ML/AI Engineer Intern

Nov 2024 - Present

Pearson VUE, Bloomington, MN

- Engineered real-time AI proctoring with Gemini-2.5-Flash at 30 FPS 92% detection confidence across 6 violation categories.
- Developed GPT-4.1 CAG pipeline that generates self-help articles from client-guides, slashing article-creation time by 80%.
- Engineered MCP server integrating Booking API for real-time appointment data, reducing manual support by 30%.
- Prototyped LangGraph+Gemini multi-agent assistant automating exam scheduling, rescheduling, and results retrieval.

Software Engineer Intern

May 2024 - Nov2024

Pearson VUE, Bloomington, MN

- Developed System Test Receipt Dashboard in Angular and Spring Boot, reducing test-launch troubleshooting time by 40%.
- Enhanced frontend architecture, improving UI, backend integration, and operational efficiency by 20%.
- Achieved 95% test coverage in Angular, ensuring seamless deployments and high system reliability.
- Optimized CI/CD pipelines with Azure DevOps, TeamCity, and Helm, cutting deployment time by 40%.

Software Engineer Intern

May 2023 - Aug 2023

NCR Corporation, Atlanta, GA

- Developed frontend features in Next.js, enhancing acquisition & retention, impacting 95% of customer transactions.
- Executed and optimized microservices architecture using GraphQL, and RESTful APIs, improving backend scalability.
- Created and integrated end-to-end testing suites using Jest and React Testing Library, ensuring high code quality.

Software Engineer Intern (iOS Development)

May 2022 - Aug 2022

NCR Corporation, Atlanta, GA

- Led a proof-of-concept for an iOS app, migrating 100% of REST APIs from NOLO legacy to Mercury in Swift.
- Streamlined data retrieval and accelerated consumer request processing by migrating it to a modern service layer.
- Integrated customer-centric UI components with 3 engineers, seamlessly connecting front-end and back-end infrastructure.

PROJECTS

Sensor Data Recorder *[Mobile sensor-logging app]*

- Flutter app that turns any smartphone into a portable sensor logger for field studies, capturing rich motion data on demand.
- Logs accelerometer, gyroscope, and magnetometer streams at 100 Hz, auto-exports each session to CSV for offline analysis.
- Added intuitive record controls with instant interactive chart replay, giving on-device signal validation in under 1 sec.
- Modular capture→buffer→export pipeline lets new sensors or cloud sync plug in seamlessly with only <10 LOC.

Expense-Tracker *[Personal expense tracker built with Flutter]*

- Built a cross-platform Flutter app that logs, edits, deletes transactions and charts weekly spend for instant insights.
- Implemented adaptive layouts and platform-aware widgets for native Material/Cupertino UX from a single codebase.
- Added local persistence, preserving data across restarts and keeping the UI comfortable in any lighting.
- Structured modular widgets for plug-and-play add-ons—cloud sync, alerts, multi-currency—with minimal refactor.

AWARDS & RESEARCH

- Co-authored a research paper on Dynamic Contextual Attention Network for Endoscopic Polyp Diagnosis.
- Secured a top 5 position and received an honorable mention at the NCR Global Hackathon.