

# Krishna Balaji

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## EDUCATION

### Arizona State University

B.S. in Computer Science (Hons), Minor in Business, GPA 4.00/4.00, Dean's List x6

Tempe, AZ

Expected May 2026

## EXPERIENCE

### Software Engineering Intern

Circle.ooo

Aug 2025 – Present

Remote – Houston, TX

- Engineered **AI-driven event registration agents** that automated multi-account workflows into a **single-tap system**.
- Integrated and tested **LLM-based tools** in production, improving task execution with higher **accuracy** and **scalability**.

### Applied ML Research Intern

Arizona State University

Aug 2025 – Present

Tempe, AZ

- Built supervised **ML pipelines** with **FPL APIs** and football datasets to predict player points.
- Implemented models including **Random Forest**, **XGBoost**, and **Neural Networks**, optimized with **MAE** and **R<sup>2</sup>**, and applied **SHAP** for explainability.

### Machine Learning Engineer Intern

Quantiphi

May 2025 – Aug 2025

Mumbai, India

- Automated data processing with **Python pipelines**, cleaning and mapping insurance claim outputs to a structured schema, reducing manual review time by **80%**.
- Optimized **LLM prompt engineering** to extract structured fields from unstructured claims, improving overall **accuracy** across diverse formats.

## PROJECTS

### AI-Powered Job Matcher | FastAPI, React, OpenAI | [GitHub](#) | [Live Demo](#)

Aug 2025 – Sep 2025

- Built a **FastAPI** service that parsed resumes in **PDF/DOCX** formats and computed match scores using **TF-IDF cosine similarity**, documented with **OpenAPI**.
- Developed a responsive **React frontend** with switchable **LLM suggestions** including **TF-IDF**, **Sentence-Transformers** and **OpenAI**, and secured the backend with **Docker CI**.

### Pennywise AI | Next.js, TypeScript, Plaid API | [GitHub](#) | [Live Demo](#)

Aug 2025 – Sep 2025

- Built a fintech application leveraging the **Plaid API** to ingest transactions, compute **KPIs** such as burn rate and runway, and render interactive dashboards.
- Integrated **Plaid Link** with encrypted token storage and automated syncing, and enhanced analytics with **AI insights** powered by **pgvector**.

### Charity Donation Manager | SwiftUI, Firebase, Places API | [GitHub](#) | [Live Demo](#)

Jan 2025 – Feb 2025

- Built an offline-first **iOS application** using **Firebase** for real-time storage and synchronization, enabling users to discover charities, save favorites, and record donations.
- Integrated the **Google Places API** and **CoreLocation** to enable location-aware discovery and added a validated test payment flow.

## LEADERSHIP AND AWARDS

### Perplexity Campus Partner

Sep 2025 – Present

### Secretary, CodeDevils

Apr 2023 – Oct 2024

### Devils Invent Hackathon – 3rd Place

Sep 2023

## TECHNICAL SKILLS

**Languages:** Python, JavaScript/TypeScript, Java, C/C++, SQL, Swift, HTML/CSS

**Databases:** PostgreSQL, MongoDB, Supabase

**Frameworks/Tools:** Flask, FastAPI, Next.js, Firebase, Hugging Face, Prisma, Vercel, Render, Bootstrap, CI/CD

**Cloud/DevOps:** Git, Docker, AWS, GCP, Postman, Pytest, JUnit

**ML/AI:** GPT-4, LLMs, Prompt Engineering, PyTorch, Scikit-learn, Jupyter Notebooks