KESHAVA RANGA DATTA RAJAVARAM

keshava.rajavaram@gmail.com ◇ Github ◇ LinkedIn ◇ Portfolio (+1)(480)796-2223

EDUCATION

Arizona State University — *Aug 2023 - May 2025*
M.Sc Computer Science — Overall GPA: 4.00/4.00

Birla Institute of Technology and Science, Pilani, India — *Aug 2019 - Jun 2023*
B.E Electronics and Instrumentation — Overall GPA: 8.35/10

PROFESSIONAL EXPERIENCE

85SIXTY | AI Engineer Intern | *Denver, USA* — *Jul 2025 - Present*

- Enhanced a **Next.js + Vercel AI SDK** chat application with **multitenant** organization splitting and a secure org selector, ensuring **100%** client data isolation while enabling internal users to manage **10+** client datasets seamlessly.
- **Automated weekly Slackbot reports** via Cloud Run + Cloud Scheduler, integrating OpenAI and Slack SDKs; reduced manual reporting effort for internal teams by **50%** and accelerated reporting by **2x**.
- Setup an **evaluation & observability stack** (OpenTelemetry tracing + Langfuse LLM-Judges + in-app feedback) that made model accuracy measurable and cut the feedback→optimize→test cycle by **90%**.

FlairX | Software Engineer Intern | *San Francisco(Remote), USA* — *Mar 2025 - May 2025*

- Implemented multi-host scheduling logic **(Zoom SDK + PostgreSQL)** that lifted daily interview capacity **8 to 40+** slots and eliminated backlogs during traffic spikes.
- Architected a **delayed-job queue** using **PostgreSQL** for SMS interview reminders, **cutting reschedules by 30%**.
- Delivered a **Node.js/Chart.js** analytics dashboard, benchmarking interviews for **100+** active job postings.

True Mates | Software Engineer Intern | *Los Angeles(Remote), USA* — *Jun 2024 - Feb 2025*

- Implemented in-house subscription webhooks, exposed as Node.js APIs on **Google App Engine**, to manage App Store and Google Play renewals, **eliminating 100% Stripe transaction fees**.
- Automated resource de-provisioning with **Python + GCP Cloud Run** functions, analyzing utilization patterns to schedule shutdowns and **trim cloud spend 42.5%**.
- Led backend development in a cross-functional team, scaling for **500+** users, indexing **PostgreSQL** tables and optimising **Express.js REST APIs** to slash p95 match-fetch **latency 30s - 3s (-90%)**.

PROJECTS

SREAI | *AWS(Lambda, Bedrock, S3), Cloudflare(Workers, D1, KV), Firebase, React, Tanstack* — Demo

- SRE platform that onboards in 1 click, indexes code on connect, streams logs, and auto-generates context-rich RCAs.
- Secured secrets at the edge, added idempotent compute and vector retrieval, and hardened reliability with retries/DLQ.

Trikona | *Go, Gin, Gorm, PostgreSQL, AWS EC2, REST APIs, Git, Github* — Demo | Github

- Designed a domain-strict Go modular-monolith, skipping **100%** hop latency and easing future micro-service splits.
- Cross-compiled a 30MB static **Go binary** (ARM64) and deployed it under **systemd** on **Amazon Linux EC2**, cutting release time **90%** and enabling single-file rollbacks.

StockCentral | *Node.js, Express.js React, JavaScript, TypeScript, Docker, AWS* — Demo | Github

- Built a full-stack investment tracker that ingests portfolio CSVs from **3** brokerages and auto-consolidates holdings.
- Administered a robust backend with **PostgreSQL** for reliable data storage, designed responsive frontend interfaces with **Tailwind CSS** and automated deployment processes using **Docker** and **GitHub Actions**.

FashionFinder | *Python, PyTorch, YOLOv8, HF Transformers, FAISS, OpenCV, Windsurf* — Github

- Crafted a scalable backend to process short videos—detecting garments **(YOLOv8)**, embedding crops **(CLIP)**, matching to a 250-item catalog **(FAISS)**, and assigning style vibes based on captions/tags via **zero-shot classification**.
- Optimised pipeline with frame-sampling, batched-inference, and in-memory FAISS warming, **cutting runtime 70%**.

SKILLS

Languages	Go, Python, C/C++, Java, Javascript, TypeScript, HTML/CSS, PHP, SQL, Data Structures, Algorithms
Frameworks	Node.js, Express.js, React, PostgreSQL, MongoDB, Springboot, Redis, Pytorch, Langchain, Supertest, Jest
Tools	AWS, GCP, IAM, Windsurf, Postman, Linux, Git, Docker, Firebase, Kafka, JIRA, Selenium, Puppeteer

CERTIFICATIONS

- **AWS Certified Cloud Practitioner** | 2024