Gautham Vijayaraj

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LinkedIn | GitHub | Portfolio

SKILLS

- **Tech Stack**: ReactJS, Flutter, JavaScript, TypeScript, HTML5, CSS3, GoLang, Python, NodeJS, Spring Boot, Java
- **Database**: SQL (MySQL), NoSQL (Redis, MongoDB), Firebase
- **DevOps**: Docker, Kubernetes, GCP, AWS
- **Tools**: Git, Hugging Face, Webpack, Testing Frameworks (Jest, Mocha), Figma, GitHub, OpenAI, Generative AI
- **Machine Learning and AI:** Regression, Model Training, Fine-Tuning, Algorithm Optimization, Data Preprocessing, Data Wrangling, Deep Learning and Neural Networks
- **Other**: RESTful APIs, UX/UI Design, Code Reviews, Problem Solving, Distributed Systems, Operating System

PROFESSIONAL EXPERIENCE

Assistant System Engineer

Tata Consultancy Services, Chennai, India — *June 2021 – November 2022* — 1 year 6 months
- Engineered user-centric solutions for financial applications using **ReactJS** and **TypeScript**, achieving 95% client satisfaction. Optimized **SQL** queries to handle over 1 million transactions daily, reducing 40% processing times.
- Administered Azure Multi-Factor Authentication to bolster account security for 200+ UK clients.

Flutter Developer

Metfolio, London, UK — *December 2022 – March 2023* — 4 months
- Designed and implemented scalable, responsive user interfaces using **Flutter**, improving 30% page load time.
- Collaborated with backend engineers to consume **RESTful APIs**, ensuring seamless integration across services.
- Coordinated with product and design teams to refine UX/UI, adhering to accessibility and usability standards.

Graduate Services Assistant

Arizona State University, Chennai, India — *September 2023 – December 2023* — 4 months
- Streamlined email communications, supported hiring process and coordinated schedules for daily operations.

Software Developer Intern

HCLTech, Chennai, India — *May 2024 – August 2024* — 4 months
- Built dynamic single-page applications using **React** and **NodeJS**, managing end-to-end project lifecycles.
- Created custom REST APIs and integrated **NoSQL databases (MongoDB)** for real-time analytics applications.

Adobe Student Ambassador

Adobe, Arizona State University, Chennai, India — *September 2024 – January 2024* — 5 months
- Provided training on Adobe applications, fostering creativity and collaboration across diverse groups at ASU.

PROJECTS (more available in my portfolio website)

Automated Image Captioning using Hugging Face Transformers
- Developed an image captioning pipeline leveraging the Hugging Face Transformers library to generate descriptive captions for images using the BLIP (Bootstrapped Language-Image Pretraining) model.

Nationwide Healthcare System
- Built a secure healthcare management system using **Spring Boot** and **React**, deployed on **AWS** with Dockerized microservices.

AI-Based Fitness Tracker
- Developed a React-based website integrating **PoseNet** for real-time workout accuracy prediction.

Real-time Financial Tracker
- Designed a full-stack financial management app with push notifications and alerts using **Flutter** and **Firebase**.

EDUCATION

Master of Science: Computer Science (Cybersecurity)
Arizona State University, Tempe, AZ — **May 2025**
CGPA: 3.81/4.00

Bachelor of Technology: Computer Science and Engineering
SRM Institute of Science and Technology, India — **May 2021**
CGPA: 3.33/4.00

CERTIFICATIONS (more available in my portfolio website)
- Oracle Cloud Infrastructure 2024 Generative AI Certified Professional
- Google Certified Cybersecurity Professional