

GAUTHAM VIJAYARAJ

SOFTWARE ENGINEERING - FRONTEND, BACKEND AND FULL STACK DEVELOPMENT

1535 N Scottsdale Rd, Tempe, AZ 85288 • (602) 247-0511 • [Email](#) • [LinkedIn](#) • [GitHub](#) • [Portfolio](#)

EDUCATION

Master of Science: Computer Science (Cybersecurity)

May 2025

Arizona State University, Tempe, AZ

CGPA: 3.83/4.00

Bachelor of Technology: Computer Science and Engineering

May 2021

SRM Institute of Science and Technology, Kattankulathur, India

CGPA: 3.33/4.00

SKILLS

Programming Languages: Python, Java, JavaScript and SQL

Technologies: Flutter, ReactJS, HTML/CSS, Firebase, NodeJS, Spring Boot and MongoDB

Tools: Git, GitHub, Jupyter Notebook, Microsoft, Visual Studio, Figma, Adobe, Linux, AWS and Docker

Other Skills: Code Reviews, Version Control, Testing, Architectural Design, Problem Solving and Communication

Publications: One conference publication at the 3rd IEEE AIIoT 2024 ([Link](#))

Certifications: <https://gauthiii.github.io/#Certifications>

PROFESSIONAL EXPERIENCE

Flutter Full-Stack Developer | Metfolio, London, United Kingdom

December 2022 – March 2023

- Developed and integrated the UI design of a Fintech application, resolving conflicts, implementing the Facebook Ad SDK, and integrating HubSpot for real-time event tracking.
- Deployed the application on a Digital Ocean test environment and conducted weekly data-driven bug resolution and maintenance, reducing bug occurrence by 25% over three months.

Assistant System Engineer | Tata Consultancy Services Limited, Chennai, India

June 2021 – November 2022

- Administered Azure Multi-Factor Authentication to bolster account security for 200+ UK clients.
- Documented the utilization of Azure security APIs and of Role-based Access Control for mobile applications.

Full-Stack Developer | Freelance, Chennai, India

June 2019 – May 2021

- Programmed an MMO (Massively Multiplayer Online) snake game utilizing REST API and web sockets.
- Engineered a financial management tool to assist users manage an enterprise's daily income and expenses.
- Delivered 15+ apps using Flutter, NodeJS, ReactJS, JavaScript, HTML and CSS.

INTERNSHIPS

Software Developer Intern | HCLTech, Chennai, India

May 2024 – August 2024

- Developed a Spring Boot application with four microservices for a healthcare system and deployed on Docker.
- Implemented robust security practices to ensure data protection and system integrity across the healthcare application.

Flutter Developer Intern | Magicstep Solutions Private Limited, North Lakhimpur, India

May 2023 – June 2023

- Integrated real-time tracking, push notifications, and payment gateways for food delivery utilizing Flutter and PHP.
- Established in code reviews and conducted thorough unit testing and UI testing to maintain code quality and reliability.

PROJECTS

Nationwide Healthcare Management System | React, Spring Boot and Docker

May 2024 – August 2024

- Developed a comprehensive healthcare system using Spring Boot microservices, deployed on Docker, and hosted on AWS, with a React-based UI. This system is designed to serve as a nationwide database for all the patients of a country.

AI Based Fitness Tracking Application | React, Firebase and PoseNet

December 2023 – March 2024

- Created a fitness tracking website using React and integrated PoseNet to predict the accuracy of users' workouts.

Automated Real-time Expense Tracker Application | Flutter and Firebase

October 2022 – November 2022

- Designed and created a flutter application with push notification alerts for exceeding daily transaction limits.
- Expanded efficiency through foreground and background service integration, ensuring active app functionality.

Facial Recognition enabled Social Networking Application | Flutter, Firebase and ML

August 2020 – May 2021

- Utilized TensorFlow-based FaceNet with 98.7% accuracy to assess feature similarity in user images for authentication.
- Preserved privacy by disabling screenshots, secured messages with DES encryption and created a cipher algorithm for user chat privacy.

15+ Projects at: <https://gauthiii.github.io/#Projects>