

Gowtham Chandrasekaran

gowthamchandrasekaran.com
linkedin.com/in/gowtham-c
github.com/gowtham-chandrasekaran

Email : gowtham6309@gmail.com

Mobile : +16692041307

Address : San Jose, CA, USA

OBJECTIVE

Talented Software Engineer with 2 years of experience seeking new opportunities from May 2023. Proficient in building scalable and cross-region architecture applications using React, Angular, NodeJS, Python, and AWS services.

EXPERIENCE

Assistant Systems Engineer

Chennai, India

Tata Consultancy Services

May 2019 - May 2021

- Developed a React-based server health monitoring dashboard that visualized CPU usage rate, disk capacity usage, and network throughput, improving metric readability.
- Programmed AWS Lambda functions and RESTful APIs to access server health metrics from AWS DynamoDB and analyzed them using Amazon Forecast to predict server failures with over 95% accuracy.
- Implemented a 2-factor User authentication page that performs password and OTP verification which improved the security using Angular and NodeJS.
- Collaborated with UX designers and product managers to create concept mockups and wireframes.
- Handled production issues across services, by performing root cause analysis and provided development fixes.
- Implemented unit tests using Test Driven Development with Enzyme, which improved code quality and prevented regressions, reducing the number of bugs by 99%.
- Collaborated with cross-functional teams, including UX designers, product managers and DevOps engineers, to deliver high-quality projects on time and within budget.
- Administered components, templates, and workflows of Adobe Experience Manager, Adobe Campaign, and Marketo.
- Worked in Agile methodology for project management, using Jira Kanban Tool to visualize work, limit work-in-progress, and maximize efficiency.
- **Technologies used:** Python, Docker, Kubernetes, React, Angular, NodeJS, AWS EC2, AWS Lambda, AWS CloudWatch, AWS DynamoDB, REST, Marketo, Adobe Experience and Marketing Cloud

EDUCATION

Masters of Science in Computer Science

San Jose, California, United States

San Jose State University, G.P.A: 4/4

Aug 2021 - Dec 2023(Expected)

Bachelor of Engineering in Computer Science and Engineering

Chennai, India

Anna University, G.P.A: 8.2/10

Aug 2015 - April 2019

SKILLS

Programming Languages: Python, JAVA, C++, C#, SQL, Go

Technologies: HTML, CSS, JS, NodeJS, AWS, Docker, REST, GraphQL, MongoDB, Cassandra, GIT

Frameworks: ReactJS, Angular, Django, Tailwind, Express, Flask, Enzyme, Jenkins, JUnit, Mockito, Selenium

CERTIFICATIONS

SAFe® 4 Practitioner

Google Fundamentals of Digital Marketing

RESEARCH AND PROJECTS

- **Driver Distraction Detection:** Created a CNN model to detect driving distractions and designed a driver scoring system for unbiased insurance pricing.
- **Face Mask Violation Detection:** Developed a scalable and available face mask violation detection web application using AWS Rekognition, Lambda, SQS, RDS, S3, ECS, and Load Balancer.
- **Handover Optimization in 5G Network Using Reinforcement Learning:** Developed a Q Learning-based solution to optimize handover connections in a custom 2D grid world environment with 5G antennas.