

Gowtham Chandrasekaran

+16692041307 | gowthamchandrasekaran.com | gowtham6309@gmail.com | linkedin.com/in/gowtham-c

SKILLS

- **Web Technologies:** React, AngularJS, Typescript, NodeJS, Webpack, OAuth, Spring Boot, HTML, CSS, JavaScript
- **Cloud Services:** AWS Lambda, API Gateway, AWS SQS, AWS S3, AWS EC2
- **Languages:** Python, Java, C++, Go
- **DevOps Tools:** GitHub Action, Jenkins, Docker, Kubernetes, Bitbucket, AWS Elastic Container Service
- **Libraries:** TensorFlow, Pytorch, Gym, OpenCV, Matplotlib, Seaborn, Pandas, Numpy, SciKit-learn, Keras
- **Database:** SQL (PostgreSQL,MySQL), NoSQL (MongoDB, GCP Firestore, AWS DynamoDB)
- **Certifications:** React - The Complete Guide (Udemy), Safe Agile Certification

EDUCATION

San Jose State University

Master's in Computer Science

U.S.A

Aug 2021 – Dec 2023

Anna University

Bachelor's in Computer Science and Engineering

India

Aug 2015 – Apr 2019

PROFESSIONAL EXPERIENCE

San Jose State University

Software Engineering Assistant

May 2023 – Present

U.S.A

Website Enhancement and GenAI Cohort for University

- Built a Streamlit chatbot integrated with OpenAI's large language model and SQL for dynamic English interactions
 - Utilized Google Analytics for audience, acquisition, and behavior analysis and Siteimprove for fixing broken links
 - Guided undergraduate cohort in ML and generative AI exploration, fostering hands-on learning through interactive sessions
- Tech Stack:** OpenAI, Google Analytics, Microsoft Excel, Google Sheets, Siteimprove, Docusign, HTML, CSS, Javascript

Tata Consultancy Services

Software Engineer

May 2019 – May 2021

India

React Web Development for CitiBank North America

- Created a custom API visualization dashboard by building key components like graphs, login and ticket management page
 - Enhanced application security by implementing OAuth 2.0 for authentication and authorization
 - Expertise in developing secured RESTful APIs to facilitate seamless data exchange and enhance user experiences
 - Demonstrated leadership as Scrum Master by proficiently managing Kanban backlogs and conducting Agile retrospectives
- Tech Stack:** React, TypeScript, Node.js, Jest, MongoDB, REST API, HTML, CSS

Angular JS Web Development for H&M

- Developed functional and user-friendly components for custom H&M tags management dashboard
 - Developed unit test cases and functional test automation code, ensuring the delivery of high-quality, accessible code
- Tech Stack:** Angular JS, Spring Boot, PostgreSQL, REST API, HTML, CSS, Tailwind

Digital Marketing Using Adobe Experience Manager (AEM) for Aldi

- Streamlined product catalog management, shopping cart, and secure checkout pages using AEM
 - Performed CLV analysis to pinpoint high-value customer segments, boosting marketing campaign ROI by 10%
- Tech Stack:** Adobe Experience Manager, Adobe Campaign Classic, Marketo, HTML, CSS, Python

PROJECTS

Generative AI Fitness Coach

- Developed a generative AI-based chatbot using OpenAI's GPT-3.5 and OpenAI Assistant to provide personalized fitness advice
- Utilized Next.js, TypeScript for the frontend development to create an interactive user interface

Serverless Face Mask Violation Detection Using AWS Lambda, SQS, Rekognition

- Attained 98% accuracy in face mask violation detection using AWS Rekognition
- Ensured scalability and zero downtime with AWS Lambda, API Gateway, AWS SQS, and load balancer

Video on Demand Full Stack Web Application Using GCP

- Seamlessly integrated user authentication, video compression and upload in the next.js application
- Implemented Docker containerization and Cloud Run deployment on GCP for scalable and highly available media