

Gowtham Chandrasekaran

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EDUCATION

San Jose State University

Master's in Computer Science

U.S.A

08/2021 - 12/2023

Anna University

Bachelor's in Computer Science and Engineering

India

08/2015 - 04/2019

SKILLS

- **Languages:** Python, Java, C++, HTML, CSS, JavaScript, Golang
- **Cloud Technologies:** EC2, SQS, SNS, ECS, DynamoDB, RDS, Lambda, CloudWatch, SageMaker, GCP
- **Web Technologies:** React, Redux, Next.js, Angular, AJAX, JavaScript, REST API, Node.js, HTTP, Git, Docker, Kubernetes
- **Databases:** SQLServer, PostgreSQL, Firebase, MongoDB
- **Tools and Frameworks:** Spring Boot, Netlify, OpenAI function call, Pandas, Numpy, Matplotlib, Seaborn, Scikit-learn, Google Analytics

EXPERIENCE

Tata Consultancy Services

05/2019 - 05/2021

Software Engineer

India

Bank - CitiBank North America

- Crafted an enterprise-grade API Status Dashboard for CitiBank, monitoring and evaluating vital metrics of 50+ APIs
 - Worked using test-driven development in an Agile team with 2-week sprints, 75%+ code coverage, unit testing and CI/CD
- Tech Stack:** React, Node.js, Redux, chart.js, MongoDB, PostgreSQL, Git, AWS DynamoDB, AWS EC2, AWS Lambda, AWS CloudWatch, Python

E-Commerce - H&M

- Implemented a 2-factor user authentication process for H&M's Label Management system, strengthened system security by integrating OAuth 2.0 and SAML 2.0, resulting in a 98% decrease in unauthorized access incidents
 - Developed an automated tag layout and content generation service, enabling dynamic customization for products based on selected market regions while ensuring adherence to regional regulatory requirements
- Tech Stack:** Docker, Kubernetes, React, Node.js, SQLServer, ServiceNow Incident Mangement, JSON Web Token, REST, HTML, CSS

E-Commerce - Aldi

- Implemented Adobe Experience Manager (AEM) integration with Adobe Campaign for personalized email marketing, driving cart abandonment recovery and improving conversion rates by 85%
- Tech Stack:** Adobe Experience Manager, Adobe Campaign Classic, Marketo, HTML, CSS, Javascript, Shopify, Python, Pandas, Numpy

San Jose State University

01/2022 - Present

Student Assistant - Electrical Engineering Department

U.S.A

Data Analytics

- Successfully leveraged Google Analytics to analyze department website traffic, user behavior, and utilized Siteimprove to monitor and fix broken links on the website
- Tech Stack:** Google Analytics, Microsoft Excel, Google Sheets, Siteimprove, Docusign, HTML, CSS, Javascript

PROJECTS

YouTube Clone

- Created a YouTube clone application using Next.js, Firebase, and Google Cloud, encompassing services like user authentication, video upload, Docker containerization, and Cloud Run deployment, all seamlessly integrated with Firebase services for backend functionality.

College database custom ChatGPT

- Created a Streamlit chatbot with OpenAI function call and SQL integration, enabling English language interactions and dynamic responses based on the college database.

Face Mask Violation Detection

- Developed a scalable and available face mask violation detection web application using Flask, AWS Rekognition, Lambda, SQS, RDS, S3, ECS, and Load Balancer.

Targeted Advertisement

- Collected multiple consumer emails and used Mahout and Hadoop to cluster users based on their interests by analyzing the most frequent terms used in the emails and then target advertisements to each group.