Gowtham Chandrasekaran

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EDUCATION

San Jose State University — U.S.A
Master's in Computer Science — *08/2021 - 12/2023*

Anna University — India
Bachelor's in Computer Science and Engineering — *08/2015 - 04/2019*

SKILLS

- **Web Technologies**: React, Angular JS, Node.js, .NET, HTML, CSS, REST API, T-SQL, JavaScript, Python, Java, C++
- **Database**: SQL (PostgreSQL), T-SQL (Microsoft SQL Server), NoSQL (MongoDB, AWS DynamoDB)
- **AWS Cloud Services**: Elastic Compute Cloud, DynamoDB, Relational Database Service, Lambda, CloudWatch
- **Methodologies**: DevOps, Agile (SAFe Certified), Test Driven Development
- **DevOps Tools**: Git, Jenkins, Docker, Kubernetes, Bitbucket, AWS Elastic Container Service

PROFESSIONAL EXPERIENCE

Tata Consultancy Services — 05/2019 - 05/2021
Software Engineer — *India*

DevOps and Angular JS Web Development for Banking Industry — CitiBank
- Developed key components of a API status monitoring dashboard using Angular JS, visualizing API metrics
- Utilized Bitbucket Pipelines to automate CI/CD processes, streamlining development, testing, and deployment workflows
- Acted as Scrum Master, overseeing Kanban backlog management and Jira-based retrospectives in Agile development
  Tech Stack: Angular JS, Chart.js, Node.js, Git, Bitbucket Pipelines, Jira, Kubernetes, Docker, MongoDB, REST API

React Based Web Development for E-Commerce Industry — H&M
- Implemented 2-factor authentication for Label Management react application by integrating OAuth 2.0
- Designed carousel layouts using Java Server Page in Adobe Experience Manager for H&M inside
  Tech Stack: Adobe Experience Manager, React, ASP.NET Core, T-SQL(Microsoft SQL Server), REST API, HTML, CSS

Customer Experience Enhancement for E-Commerce Industry — Aldi
- Streamlined product catalog management, shopping cart, and secure checkout pages using Adobe Experience Manager
- Integrated Adobe Campaign and Marketo for personalized email marketing, boosting conversion rates by 85%
  Tech Stack: Adobe Experience Manager, Adobe Campaign Classic, Marketo, HTML, CSS, Python

San Jose State University — 01/2022 - Present
Software Engineering Assistant — *U.S.A*

Website Enhancement and Analytics for University
- Utilized Google Analytics for web traffic analysis, user behavior, and Siteimprove for fixing broken links
- Built a Streamlit chatbot with OpenAI and SQL integration for dynamic English interactions using college data
  Tech Stack: OpenAI, Google Analytics, Microsoft Excel, Google Sheets, Siteimprove, Docusign, HTML, CSS, Javascript

PROJECTS

Serverless AWS Deployment of a Machine Learning Project
- Utilized AWS Rekognition for precise face mask violation detection in real-time within the Flask-based web application
- Ensured scalability and high availability through AWS Lambda, AWS SQS, load balancer and other cloud technologies

Containerization and Cloud Run Deployment of a Next.js Web Application
- 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

Driver Behavior Analysis Using Artificial Intelligence
- Performed dimensionality reduction with PCA and fine-tuned a deep learning model to cluster unlabeled images
- Experimented with RestNet, VGG-16, Inception V3 models and used DBSCAN for clustering