

GOKUL GARIKIPATI

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EDUCATION

Master of Science in Computer Science

San Jose State University, San Jose, CA

Coursework: Information Security, Social Network Analysis, DAA

August 2021 - May 2023

GPA : 3.7

Bachelor of Technology in Computer Science

Vellore Institute of Technology, Vellore, India

Coursework: Database Management, Networks, Operating Systems, Cloud Computing

June 2015 - May 2019

GPA : 3.7

WORK EXPERIENCE

Fannie Mae

Software Engineer Intern

San Jose, CA

June 2022 - Present

- Supporting an existing spring boot application to cover incident management and release management.
- Hosted a MVC application on AWS employing EC2 instance and constantly monitored logs on CloudWatch.
- Involved in writing JAVA API for Amazon Lambda to manage AWS services.

Genisys Information Systems

Software Engineer

Bangalore, India

July 2019 - July 2021

- Designed and developed various intranet, client-server, and web-based applications.
- Led a team of 4 interns and developed an API-driven framework to fetch tickets from various ticketing platforms such as Zendesk, Jira, and provide automated solutions to resolve tickets. This helped add two more enterprise customers to the company portfolio.
- Migrated the infrastructure from an on-premise private cloud to a hybrid model, Microsoft Azure, which squashed \$4500 on monthly cloud operation costs.

ECIL

Software Engineer Intern

Hyderabad, India

April 2018 - May 2018

- Designed, devised, and deployed an Android mobile app, a cloud-based student management system using Android Studio, Java, JQuery Mobile, and SQLite.

Digiverse Technologies

Software Engineer Intern

Hyderabad, India

June 2018 - July 2018

- Assisted in building a Secure Key Distribution (SKD) with symmetric key encryption based on RSA and digital signature to secure data sharing between dynamic groups in the cloud.

PROJECTS

Personal Expense Tracker

- Built an application leveraging Plaid's open API that fetches banking details, integrates with Splitwise for automatic detection and categorization of all bank transactions, allows users to track personal expenses.

Simulation of Reddit

- Constructed a prototype of the Reddit website enabling users to discuss and follow communities based on personal interests. Customized application to send invites to join a community, add posts, and in-app messaging.

SKILLS

Programming: Python, Java, C#, C++

Web Technologies: HTML5, React, CSS, Angular, JavaScript, jQuery

Frameworks: Django, Flask, Node.js, Spring, Struts, MVC, JSON, REST

Tools/Database: Git, AWS, Postman, MySQL, MongoDB, Docker, Kafka, DynamoDB, Jenkins

PUBLICATIONS

Face Detection Using KNN Algorithm, JARDCS

December 2018 - May 2019

- Research on KNN Algorithm and a comparative analysis against PDA & LDA algorithms with Python and PyQT5. Achieved a face detection rate of 84%.