

YUGANDHAR DESAI

1050 Benton Street, Santa Clara, CA

+1 408-690-9335

ydesai@scu.edu

linkedin.com/in/yugandhardesai

github.com/yugi1729

Education

MS in Computer Science

Santa Clara University GPA : 3.85

Sep. 2023 – June 2025

Santa Clara, CA

BTech in Computer Science & Engineering

NIIT University

Aug. 2017 – Aug. 2021

Rajasthan, India

Work Experience

NTT Data

Cloud Engineer - ETL

Aug, 2021 – Sep, 2022

Pune, India

- Implemented, Maintained & Deployed ETL/ELT Pipelines.
- Automated Job Scheduling process using Python & Matillion workflows, resulting in 40% reduction in overall processing time.
- Designed and developed data models in Snowflake to support business intelligence and reporting needs.
- Optimized SQL when migrating from legacy databases like Microsoft SQL Server to Snowflake.
- Worked on Migration of Data Warehouse including stored procedures, triggers and ETLs from SQL Server to Snowflake.
- Improved query performance by 45% and eliminating redundancy in the legacy data model.

Symphony Fintech

Software Engineer

Jan 2021 – Jul 2021

Pune, India

- Contributed to development of an iOS mobile trading application used by multiple clients.
- Introduced Updates Prompt to encourage users to upgrade to the latest app version.
- Integrated Biometric Authentication with Touch ID and Face ID, improving application security.
- Conducted a Proof of Concept (POC) for Whitelabeling applications, catering to diverse client needs.

Relevant Coursework

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|--------------------------------|-------------------------------|---------------------|-------------------------|
| • Data Structures & Algorithms | • Software Engineering | • Operating Systems | • Machine Learning |
| • Object Oriented Design | • Database Management Systems | • Computer Networks | • Computer Architecture |

Technical Skills

Languages: Python, Go, Java, SQL, Bash, JavaScript, TypeScript, Swift, C++, C, HTML

Virtualization & Containerization: Docker, Kubernetes, QEMU

Frameworks: Flask, OpenCV, Django, Numpy, Pandas, FastAPI, Apache Airflow, React, Express.js, Node.js

Databases & Datawarehouses : MySQL, SQLite, PostgreSQL, MongoDB, Snowflake, DynamoDB, Neo4j

Tools : Git, Jenkins, Jira, Prometheus, Postman, Github Actions

OS : Unix/Linux, MacOS, Windows

Other: REST APIs, OOP, Shell Scripting, GraphQL, AWS

Projects

Literature Research Tool | *Python, Flask, JavaScript, Bash, HTML, CSS*

Mar. 2023

- Developed a Full stack web application for academic literature research using Python and the Flask framework.
- Used Web Scraping to gather academic article information from Google Scholar, allowing users to search and access papers by keywords, authors, conferences, and journals.
- Aggregated articles from various sources like Google Scholar, ACM, Semantic Scholar, and various conference websites.
- Implemented proxy server rotation in the backend to avoid rate limiting issues. Leveraged freely available proxy servers to ensure continuous and uninterrupted data retrieval, enhancing the system's resilience and efficiency.

GRAS - Git Repositories Archiving Service | *Python, Java, ANTLR, JavaScript*

Apr. 2020

- GRAS is an Interactive CLI tool capable of mining data from VCS, JIRA, and Piplermail. Developed for researchers who solve various mining software repositories challenges.
- Added built-in anonymous identity merging component and file dependency analyzer (ANTLR4 compatible).

Publication

Studying Multifaceted Collaboration of OSS developers and its impact on their bug fixing performance

Asia-Pacific Software Engineering Conference (W)

- Developers fix bugs through discussions, creating Developer Social Networks (DSN). We extended DSN to Multi-layer DSN (MDSN), achieving a Pearson correlation coefficient of up to 0.74. This MDSN helps identify crucial developers in systems like Eclipse and Netbeans.