Sindhura Kumbakonam Subramanian

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EDUCATION

University of Florida   Gainesville, FL
Master of Science in Computer Science   *Aug 2024 – May 2026*

Sri Venkateswara College of Engineering   Chennai, India
Bachelor of Engineering in Computer Science and Engineering   *Aug 2016 – May 2020*

TECHNICAL SKILLS

Languages: Python, Java, SQL (MySQL, SQLite3, H2, DuckDB), NOSQL (MongoDb), JavaScript, HTML/CSS, jBase, Go, Scala, SAP ABAP

Frameworks and Tools: Node.js (Next.js), Express, Transact T24, Protoactor, Git, Postman, cURL, Apache Kafka, RabbitMQ, Wireshark, React, Cypress, Apptainer

Other Skills: Debugging, REST APIs, Agile Methodologies, Software Development

Relevant Course Work: Distributed Operating System Principles, Data Engineering, Computer and Network Security, Programming Language Principles, Software Engineering

EXPERIENCE

Temenos   Nov 2021 – July 2024
Associate Product Engineer   *Chennai, India*

- Developed and integrated Subscription products into Asset Finance contracts, automating charge calculation, invoice processing, and accounting entries to enhance the subscription lifecycle
- Collaborated with cross functional teams to integrate Fixed Asset management module with Asset Finance to automate asset tracking
- Mentored new team members on Asset Finance processes, problem-solving approaches, and adherence to coding standards
- Achieved 95% code coverage and resolved performance issues related to new field integration in Arrangement Architecture
- Resolved client defects in Islamic Banking, ensuring timely delivery and closure

Cognizant   Nov 2020 – Nov 2021
Programmer Analyst   *Chennai, India*

- Developed a feature to provide and display list of purchase orders with quantity discrepancies based on Purchase Orders
- Performed rigorous testing using Code Inspector and extended program checks to eliminate errors and warnings, ensuring high-quality code

PROJECTS

Reddit Clone | *Go, Protoactor, Git*   Nov 2024 – Dec 2024

- Developed a reddit simulator with account registration, subreddit management, posting, commenting, voting, and messaging functionalities using the actor model

StartupNexus | *React, Next.js, Go*   Jan 2025 – Apr 2025

- Developed key user interface features for a collaborative startup platform, including CRUD operations for user posts, profile viewing, news feed integration, and secure sign-out functionality.
- Built responsive, user-friendly dashboards enabling real-time content updates, user engagement, and streamlined navigation across core features.

Canvassing the Scene and Redacting Statements | *Python, Duckdb, Git, Apptainer*   Jan 2025 – Apr 2025

- Developed a Python package to extract and analyze public safety data from Gainesville, FL, including crime responses, arrests, and traffic crashes, by interfacing with city APIs and storing data in a DuckDB database.
- Engineered a redaction system for sensitive information in PDF documents, utilizing Named Entity Recognition (NER) and coreference resolution to redact specified names and entities.