Srinidhi M D

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Summary

Driven and adaptable Computer Science Engineering student with a passion for creating meaningful, real-world software solutions. Experienced in developing innovative projects that combine analytical thinking with practical implementation. Highly motivated to learn, collaborate, and contribute to impactful technology initiatives. Eager to join a forward-thinking team where creativity, problem-solving, and continuous growth are valued.

Education

Infant Jesus School — Bangalore, India
10th (KSEEB) — *March 2020*
- Score : 92.48%

Infomatics National Pre-University College — Bangalore, India
12th Grade (PCMB) — *May 2022*
- Score : 95.67%

Ramaiah University of Applied Sciences — Bangalore, India
B.Tech in CSE — *Expected Jun 2026*
- CGPA: 9.30

Projects

Electricity Billing System — Java, Swing, JDBC, MySQL

– Developed a **role-based desktop application** for electricity billing and customer data management using **Java Swing**.

– Implemented **CRUD operations** for customer records and bill generation through **JDBC–MySQL** integration.

– Designed event-driven, modular GUI components using Swing listeners to ensure clean separation of concerns.

– Applied structured exception handling and relational database design to maintain data integrity across billing workflows.

SmartCounsel – AI-Driven College Admission Predictor for KCET — Python, Scikit-learn, Random Forest, Pandas, Matplotlib

– Developed a machine learning system to **predict college admission cutoffs** for KCET aspirants using historical data.

– Performed preprocessing, **feature engineering**, and training using Scikit-learn to ensure accurate predictions.

– Trained and benchmarked regression models, with **Random Forest** achieving **$R^2 = 0.985$** and **RMSE ≈ 8720** for superior performance.

– Utilized visualization with **Matplotlib** to analyze feature impact and enhance **interpretability**.

Recipe Finder Web Application — JavaScript, REST API, Web Architecture

– Architected and developed a modular, **responsive web application** integrating **TheMealDB REST API** for dynamic recipe discovery and data retrieval.

– Implemented asynchronous data pipelines, event-driven components, and client-side persistence using **localStorage** for offline caching and state management.

– Optimized front-end performance through **DOM virtualization**, lazy loading, and reusable UI modules, ensuring scalability and cross-device responsiveness.

Technical Skills

Languages: Python, Java, HTML, CSS, JavaScript(basics)

Frameworks/Libraries: Java Swing, Flask(basics), NumPy, Pandas, Matplotlib

Databases: MySQL

Concepts: Operating Systems, Data Structures and Algorithms, Software Testing, DBMS, SDLC

Infrastructure: Git**,** GitHub Actions, Jupyter notebook, VSCode, Postman, Linux

Certificates

Programming in Java (NPTEL)
Python for Data Science(NPTEL)
Programming Data Structures and Algorithms using Python(NPTEL)
Machine Learning Specialization(DeepLearning.ai)
SQL and Relational Databases(IBM SkillsBuild)
SQL (HackerRank)
Python(HackerRank)
Pandas(Kaggle)
Data Cleaning(Kaggle)