



NIRMAL M

Roll No: 20Z267
Grade: 8.57*
BE CSE[Nov 2020-May 2024]
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SUMMARY

Passionate and dedicated Computer Science student with a strong foundation in programming and development. Eager to apply my technical expertise and problem-solving skills to contribute to innovative software solutions.

EXPERIENCE

- Project Intern** *January 2023 – April 2023*
Serene Technologies, Coimbatore **Certificate**
 – Developed ensemble models and performed hyperparameter tuning to enhance the accuracy of the 'Effective Prediction of Parkinson's Disease' project, resulting in an improvement in prediction accuracy and increased early detection rates.

PROJECTS

- Voting System Using Python** *July 2021 – November 2021*
Python and Sqlite3 **Github**
 – The CLI-based program allows users to log in, cast votes, and administrators to conduct elections, verify voter's identities, and display results through graphical representation.
- Inventory Management System** *December 2021 – April 2022*
Java and MySQL **Github**
 – The inventory management system enables users to add, delete, and update products, manage stock, handle customer details and dues, and generate order receipts. User authentication ensures security.
- Security Package** *July 2022 – November 2022*
Python and Streamlit **Github**
 – The security package includes 7 encryption ciphers, image and audio encryption, steganography, background removal, OTP generation, and authentication functionalities for comprehensive protection.
- Number Plate Detection System** *December 2022 – April 2023*
Embedded C and Python **Github**
 – An image processing and pattern recognition system successfully extracts alphanumeric characters from license plates, allowing them to be printed effectively.
- Car Rental System** *December 2022 – April 2023*
MERN Stack **Github**
 – The website enables user registration and facilitates car rentals for specified periods. Admin features allow management of users and rentals (creation, deletion, editing). Securely stored in a database.
- Effective Prediction of Parkinson's Disease** *January 2023 – April 2023*
Python and its Libraries **Github**
 – The optimized Ensemble ML algorithm achieved an impressive accuracy of 94.87%, surpassing traditional models which reached a maximum accuracy of 92.8%.

TECHNICAL SKILLS

- **Programming Languages:** C, C++ & Python
- **Database:** MongoDB & Sql
- **Operating Systems:** Windows & Linux

AREA OF INTEREST

Data Structure and Algorithms	Machine Learning	Database Management System
Object-Oriented Programming	Operating System	Cryptography

CERTIFICATIONS

- **SQL (Intermediate)** Hackerrank **Certificate**
- **Applied Machine Learning in Python** Coursera **Certificate**
- **Mastering Data Structures & Algorithms using C and C++** Udemy **Certificate**

POSITIONS OF RESPONSIBILITY

- **Publicity and Design Team**, Finverse Club, PSG TECH, Coimbatore *June 2022 - Present*
- **Event Management**, CSE Association, PSG TECH, Coimbatore *June 2022 - Present*
- **Campus Ambassador**, Nomos-Mads(Management Festival), IIM Jammu *December 2021 - January 2022*