

Shri Praveen S M

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Summary

Motivated CSE student with skills in software development, machine learning, and data analysis. Eager to learn and grow.

EDUCATION

Amrita Vishwa Vidyapeetham

September 2021 - Present

Bachelor Of Technology, Computer Science and Engineering

University Roll No: CB.EN.U4CSE21658

Maharishi Vidya Mandir

June 2019- May 2021

Higher Secondary Education | CBSE

PROJECTS

Dementia-Guardian

Feb 2024 - March 2024

- Developed an IoT-based system to monitor and assist dementia patients, focusing on improving safety.
- Implemented data analysis to predict alerts, achieving a 90% accuracy in anomaly detection.
- Utilized edge computing to process data locally
- Built the frontend using React.js and the backend with FastAPI.

Stroke Prediction

Sep 2022 - Nov 2023

- Conducted a comparative analysis of multiple ML models to predict stroke occurrence.
- Improved prediction accuracy by 15% through feature selection and hyperparameter tuning.
- Evaluated models such as Random Forest, Decision Tree, and Logistic Regression, using Python's Sklearn library
- Analyzed a dataset of 5000 patient records, achieving a final accuracy above 95%.

Chat Dapp | Blockchain

Feb 2024 - March 2024

- Developed a decentralized chat application ensuring secure and private communication.
- Built on Ethereum using Solidity for smart contracts, handling user authentication and message encryption.
- Focused on decentralization, ensuring no single point of failure.
- Frontend developed using React.js, integrating with Web3.js for blockchain interaction.

Investment Management System (IIMS)

Feb2022 - March 2023

- Developed a web app for inventory and supply chain management.
- Built with Vite React, FastAPI, PostgreSQL (Netlify, Render, Google Cloud SQL).
- Implemented real-time inventory tracking and reorder management.
- Implemented automated reorder point calculation to prevent stockouts.

TECHNICAL SKILLS

Areas of Interest: Blockchain, Web Development, Data Analysis, Machine Learning.

Soft Skills: Problem-solving, Team collaboration, Critical thinking, Communication, Adaptability

Languages & Frameworks:

Python, C++, Java, Go, SQL, JavaScript, FastAPI, React.js, Bash, Haskell, Scala, Bootstrap, Tailwind, CSS, Web Development (HTML, CSS, JS, Node.js), Git, Linux, DevOps, Cloud Computing.

COURSEWORK

- Operating Systems • Data Structures and Algorithms • Computer Networks
- Database Management System • OOPS • Machine Learning • Cloud Computing • Ethical Hacking

