

Hari Menon

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EDUCATION

Government Engineering College Thrissur

Bachelor of Technology, Electronics and Communication Engineering

Kerala, India

Dec 2020 – Jul 2024

CGPA: 9.1

APJ Abdul Kalam Technological University

ACTIVITIES AND CERTIFICATIONS

NPTEL Deep Learning Certification

Jan 2023 – Apr 2023

IIT Kharagpur

- Gained understanding of machine learning algorithms and deep learning fundamentals.
- Acquired proficiency in mathematical concepts essential for deep learning.

Young Innovators Programme, Kerala - 2021 State Winner

Jul 2021

Kerala, India

- Proposed a blockchain-based solution for managing Ayurveda medical records.
- Selected for state-level startup training.

GATE Computer Science Qualifier

Feb 2024

IISc Bangalore

- Achieved an All India Rank of 1771 out of 123,967 in the GATE CS exam.
- Demonstrated proficiency in computer science fundamentals, including Networking, Operating Systems, and Database Management Systems.

PROJECTS

Banking App | *React, Tailwind CSS, Next.js, Appwrite, Turborepo*

Oct 2024

- Developed a banking app that displays users' banking details and supports transaction functionalities.
- Utilized Plaid API and Dwolla's sandbox environment for simulated banking transactions.
- Implemented user authentication and CRUD operations using Appwrite database.
- Designed UI with Tailwind CSS and Shadcn components.

Credit Card Fraud Detection | *Python, Scikit-learn, XGBoost*

Jun 2024 – Jul 2024

- Developed a machine learning model to classify credit card transactions.
- Applied data preprocessing techniques, including feature scaling and SMOTE.
- Evaluated models using metrics such as F1-score, precision, recall, and ROC-AUC; optimized with algorithms like Random Forest and XGBoost.

Water Management System | *ESP32, Flutter*

Sep 2023 – May 2024

- Built an automated water management and purification system.
- Developed a Flutter app to display key water parameters, such as pH and dissolved oxygen.
- Gained hands-on experience with ESP32 microcontrollers and water quality sensors.
- Implemented a machine learning model to predict water potability.

Task Management Website | *React, TypeScript, MongoDB, Node.js, Express, CSS*

Aug 2024

- Created a full-stack task management website supporting CRUD operations on tasks.
- Integrated JWT-based user authentication for secure login and session management.
- Leveraged TypeScript for type safety and maintainability across frontend and backend.

TECHNICAL SKILLS

Languages: Java, Python, C/C++, SQL, JavaScript, HTML/CSS, Typescript

Frameworks: Next.js, Flask, WordPress

Other Technologies: Node.js, Machine Learning, AWS, App development in Flutter, MongoDB

Libraries: Tailwind, React, Pandas, NumPy, Matplotlib, Tensorflow

OTHER SKILLS

Leadership ,Team Management ,Debating ,Quizzing ,Public Speaking, Knowledge of current affairs and Geopolitics