VISHNU KASILYA P

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Education

Amrita Vishwa Vidyapeetham, Chennai, India   **2021 - 2025**
- B. Tech in Computer Engineering, Specialization: Artificial Intelligence | CGPA: **8.92 |** Major GPA**: 9.1**

SPJ Matriculation Higher Secondary School
- *HSE (Class XII), Aggregate: 87%*   **2019 - 2020**
- *SSLC (Class X), Aggregate: 97%*   **2017 - 2018**

Skills

Proficient in Java, Web Development

Familiar with C | C++ | Java | Python | Machine Learning | JavaScript | NodeJS | React | MongoDB | MySQL | Git | Azure

Work Experience

Freelance | Front-End Developer   **Jun'22 - Sep'22**
- Designed custom websites with **HTML**, **CSS**, **JavaScript**, and **React**, consistently meeting deadlines and budget.
- Elevated website **responsiveness** and functionality across all projects, ensuring exceptional user experiences.
- Demonstrated a commitment to quality and **client satisfaction** through innovative web solutions.

Projects

Tax Chain | *ReactJS, NodeJS, IPFS, Solidity*   **May'23**
*Developed a **DAO** on the **Polygon chain** to tackle tax evasion through the implementation of a unique QR code system.*
- Implemented a system for product tracking, enhancing **tax transparency** for government and tax payers.
- This enhances efficiency, reduces costs, and boosts trust in the tax system.

Rice Crop Yield Prediction | *Python, Microsoft Planetary Hub API*   **Feb'23**
Developed and trained a ML model utilizing Microsoft Planetary Hub satellite data for accurate regional rice yield predictions.
- Achieved an impressive accuracy rate of **77.8%,** demonstrating the model's exceptional forecasting capabilities.
- Recognized in the EY Data Science Challenge, ranking **3rd** in India and **17th** globally for accuracy and agricultural impact.

Radio Signal Classification | *Python, Deep Learning*   **Oct'22**
Led the management of diverse deep learning models for precise radio signal classification.
- Achieved a substantial accuracy enhancement, elevating the High SNR model from **93%** to an impressive **96%.**
- Developed a novel model for low SNR signals, achieving a commendable **72%** accuracy rate.

Cryptocurrency Price Prediction | *Python, Machine Learning*   **Aug'22**
Enhanced ARIMA model for precise Bitcoin and cryptocurrency price forecasts.
- *Demonstrated superior performance of the **ARIMA** model compared to linear regression.*
- Empowered investors with Bitcoin data analysis and predictive insights for informed decisions in financial markets.

Academic and Extracurricular Achievements

- Secured **AIR 362** out of 100,000+ participants in **CodeKaze'23**
- **Best Paper Award** in **IEEE ICBDS'23** under Blockchain technology
- **FINALIST** (Smart Digital Hackathon'22)
- **Top 15** in 50 teams **(**Amrita BlockCamp'23)
- **Top 7** in 30 teams (BIT V-Prayukti 23')

Coursework

- Data Structures and Algorithms
- Object Oriented Programming
- Operating System
- Computer Network
- Database Management System

Strength

- Project Management | Relationship-building | Problem Resolution
- Analytics | Collaboration | Strategic Planning