

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%
- SSLC (Class X), Aggregate: 97%

2019 - 2020

2017 - 2018

Skills

Proficient in Java, Web Development

Familiar with C | C++ | Java | Python | Machine Learning | JavaScript | NodeJS | React | MongoDB | MySQL | Object-Oriented design | Hibernate | Git | Azure | Oracle | J2EE

Work Experience

Freelance | Front-End Developer

Jun'22 - Sep'20

- 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**
- **FINALIST** (Smart Digital Hackathon'22)
- **Top 15** in 50 teams (Amrita BlockCamp'23)
- **Best Paper Award** in **IEEE ICBDS'23** under Blockchain technology

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