

# VISHNU KASILYA P

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## Education

### Amrita Vishwa Vidyapeetham

Bachelor of Technology in Computer Science and Engineering (Artificial Intelligence) | **CGPA: 8.92**

Oct 2021 – Present

Chennai, India

### SPJ Matriculation Higher Secondary School

HSE (Class XII), Aggregate: **87%**

Jun 2019 - Mar 2020

Madurai, India

## Technical Skills

**Full Stack:** ReactJS, NodeJS, HTML/CSS, JavaScript, MongoDB, MYSQL

**Languages:** Python, Java, C++

**Developer Tools:** VS Code, Git, GitHub, APIs

**Others:** Machine Learning, Web Development, Open source, Figma

## Experience

### Freelance

Jun 2022 – Sep 2022

Front-End Developer

Chennai, India

- Designed custom websites with HTML, CSS, JavaScript, and React with **100% consistent** in meeting deadlines.
- Elevated website **responsiveness** and functionality across all projects, ensuring exceptional user experiences.
- Delivered **5-star quality**, earning positive feedback from satisfied clients.

## Projects

### Enhanced Kidney Analysis | Python, Deep Learning

Oct 2023

- Utilized the **SEDenseNet** architecture to optimize kidney disease analysis through image processing techniques.
- Demonstrated precision in **classifying kidney conditions**, covering normal, tumorous, and stone-affected kidneys.
- Attained a remarkable **99.34%** accuracy rate in outcome measurement.

### Tax Chain | ReactJS, NodeJS, IPFS, Solidity

May 2023

- Established a **DAO** on the **Polygon chain** to tackle tax evasion through a unique **QR code** system.
- Implemented an efficient product tracking system, improving **tax transparency** for government and taxpayers.
- Enhanced** efficiency, **reduced** costs, and **boosts trust** in the tax system.

### AgroLedger | Solidity, MetaMask

Apr 2023

- Engineered a website to tackle **agro-food transparency** challenges by integrating **blockchain** and **sensors**.
- Empowered consumers to scan a **QR code** on food packaging for comprehensive product information.
- Reduced waste** and **fraud** while **promoting sustainable practices**.

### Rice Crop Yield Prediction | Python, Microsoft Planetary Hub API

Feb 2023

- Developed and optimized an ML model utilizing **Microsoft Planetary Hub** satellite data for **rice yield predictions**.
- Attained 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.

## Academic and Extracurricular Achievements

- Secured AIR 362** out of 100,000+ participants in CodeKaze-2023.
- 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').

## Relevant Coursework

- Data Structures
- Operating Systems
- Computer Networks
- OOPs and DBMS

## Publications

[1] Vishnu. K and A. Rao and R. George, "Agro-ledger: Blockchain-based framework for transparency in agri-food supply chain," in *IEEE ICBDS'23*, IIIT Naya Raipur, Chhattisgarh. 2023.