PRAVEEN UPPAR

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EDUCATION

Vellore Institute of Technology, Bhopal ***Oct 2023 - Oct 2027***

- *Bachelor of Technology - BTech, Computer Science.*
- *CGPA: 8.5/10*

SKILLS

- *Languages: Python, Java*
- *CS Core: Data Structures & Algorithms, Object-Oriented Programming, Operating Systems, Database Management Systems (DBMS), Computer Networks*
- *DevOps: Linux, Docker, Kubernetes, GitHub, Continuous Integration (CI) and Continuous Deployment (CD).*
- *Cloud: Amazon Web Services (AWS).*
- *Databases: PostgreSQL, MongoDB.*
- *Frontend: React.js, Tailwind CSS.*
- *Backend: Node.js, Express.js.*
- *Soft skills: Communication, Team work, Problem-Solving, Leadership.*

EXPERIENCE

Technical Team Lead, VITBMUN ***Nov 2024 - May 2025***

- *Led a team of 5 developers in the successful redesign and rebuilding of the VITBMUN website, implementing 4 new UI/UX features that significantly improved user experience and functionality.*
- *Conducted 2 code reviews per week, ensuring adherence to high-quality standards and best practices among team members.*
- *Contributed to weekly strategic planning sessions, providing insights that led to identified technical improvements.*

Open Source Contributor ***Oct 2024 - Nov 2024***

- *Assisted in daily operations by executing routine tasks and providing support to team members.*
- *Collaborated effectively with project maintainers, achieving a rank of 1700 among over 50,000 contributors.*
- *Provided feedback on development processes, helping identify areas for potential improvement.*
- *Actively participated in community-driven software development, submitting 11 pull requests, reviewing code, and collaborating with project maintainers*

PROJECTS

Potato Plant Disease Classification Model using CNN ***Jan 2025 - May 2025***

- *Developed web applications powered by a Convolutional Neural Network (CNN) deep learning model to provide real-time classification of potato plant diseases (healthy, late blight, early blight), empowering farmers with early detection for intervention and prevention.*
- *Trained the model on a 9,000-image dataset, meticulously divided into three classes (healthy, late blight, early blight), using a 70/30 train-test split for robust validation.*
- *Improved model accuracy from 66.8% to 86.9% in Stage 1 and further to 89.2% in Stage 2, achieving a 33% overall increase.*
- *Optimized training by reducing epochs from 9 to 5, effectively preventing model overfitting and memorization of training data, and cutting training time from 20 minutes to 11 minutes (a 45% reduction).*

Standard Cooling Access Cost Saving and IOPS Calculator ***Apr 2024 - Apr 2024***

- *Developed a React-based "Cool Storage Cost Saving with IOPS Calculator" tool that optimizes data center IOPS and calculates cooling access cost savings across regions (e.g., $126 monthly, $1,520 annually for a 100 TB dataset in Australia).*
- *Provided users with real-time cost comparisons (with/without cool access) and tailored IOPS subscription recommendations across 5 distinct storage options (Standard, Premium, Ultra ANF, Azure Files, and Azure Files Premium) for informed storage strategy decisions, handling scenarios like 1,000 users with 100 IOPS each.*

ACHIEVEMENTS

- *Secured 2nd position in the Wikimedia-track at Hack Byte 3.0, IIIT Jabalpur.*
- *SolVIT Hackathon: Competed against 146 teams, advancing through 3 rounds to the finals (Top 31 teams) and securing a Top 5 position.*

ADDITIONAL INFORMATION

- ***Languages:*** *English, Hindi, Kannada*
- ***Courses:*** *Applied Machine Learning in Python - Coursera, Web Development Bootcamp - Udemy, Python Bootcamp - Udemy*
- ***Certifications:*** *Microsoft Certified: Azure Fundamentals*
- ***Interests:*** *Finance and FinTech*