

Pritham Devaprasad

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Summary

Aspiring AI and ML specialist eager to contribute to innovative projects at Microsoft, leveraging strong problem-solving skills and extensive domain knowledge to drive innovation and make a global impact. With a track record of leading teams to success, passionate about understanding and improving systems, aiming to collaborate effectively and address global challenges.

Education and Certifications

VIT Chennai - Vellore Institute of Technology, B-Tech CSE spl A.I and ML

2022-2026

Azure AI Fundamentals Challenge certification

Skills

- **Programming Languages:** C/C++, Java, Python, C#, HTML, JavaScript
- **Version Control:** Git, GitHub
- **Frameworks & Libraries:** TensorFlow, React, Flutter
- **Data Structures & Algorithms, Bash Scripting**
- **Database Management:** DBMS, MongoDB, Firebase
- **Operating Systems:** Linux and other distributions
- **Soft Skills:** Problem-solving, Communication, Leadership, Team player

Projects

Microsoft Imagine Cup 2024

- Developed TerraIntel, an AI-driven platform for precision agriculture.
- Integrated Bio Amp ExG Pill and Arduino for capturing plant bioelectrical signals.
- Utilized Azure Machine Learning to analyze data, optimizing farming practices.
- <https://youtu.be/9PRS15dB0e8>

Tamil-English-Tamil Speech Translator

- Created a speech translator using Azure Speech Services.
- Facilitated real-time bilingual communication, improving language accessibility.

WeMace App

- Launched a mobile app for Self Help Groups (SHGs) that improved access to vital resources, resulting in the enrollment of 150+ women in financial education programs and facilitating 100+ mentorship connections within the first quarter.

- https://youtu.be/oZsD2WR_s18

Augmented Reality Project Using Unity and Vuforia

- Developed an AR application combining socket programming, Unity, and Vuforia.
- Enhanced AR interaction by processing voice commands with PyAudio and controlling a 3D model in Unity based on image tracking.

Panimalar Engineering College Hackathon

- Developed a project on pre-leased real estate investments using blockchain and NFTs.
- Implemented smart contracts to automate transactions.

Sentiment Analysis App

- Combined VADER and RoBERTa models for sentiment analysis of Twitter data.
- Achieved 92% accuracy in sentiment detection.

Achievements

Hackoverflow 3.0

Issued by Rajalakshmi Engineering College · Nov 2023

- Won the 2nd runner-up position in a challenging 24-hour inter-college hackathon within the realm of game development, with our team earning a cash prize of ₹7500

Design Championship 2020

Issued by Mindbox and NASSCOM · Oct 2020

- Participated in the Senior Game Design category at the Design Championship 2020, an event organized by Mindbox and NASSCOM and our team won the Regional Round and secured the runner-up position in Nationals, receiving a reward of ₹30,000.
- The Design Championship 2020 is India's most prominent national design competition aimed at giving school students an opportunity to showcase their creativity in several design categories.

Techno-Science Project Expo

Issued by Marine Technology Society, SRM MTS Student Chapter and SRM ASCE Student Chapter · Jul 2019

- Secured 2nd place in the AI & Robotics category at the competition for designing a hand gesture-controlled robot. Awarded with a Silver Medal, Certificate, and ₹2000 prize.

DeFY'24 Hackathon

Issued by vit chennai

- Reached the top 30 finalists with Quantagon, a React-based web platform.
- Managed quant funds on cryptocurrencies, enhancing transparency and management.