

Akshay Uday Padamwar

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PROFILE

As a passionate pre-final year engineering student at VIT, I bring a deep interest in cloud technology, where I'm rapidly gaining expertise. I thrive on creating innovative solutions at the convergence of these technical areas.

SKILLS

- Java, Spring Boot Core, MVC.
- Amazon Web Services (AWS), Docker.
- Amazon S3, EC2, Git, GitHub, mySQL.

EDUCATION

Vellore Institute of Technology

BTech Computer Science Engineering, CGPA – **8.45**

Sep 2021 – Sep 2025

Vellore, Tamil Nadu

Shri Shivaji College, Kandhar

12th Percentage – **88.5%** (HSC)

May 2019 – Jul 2021

Nanded, Maharashtra

Podar International School, Nanded

10th Percentage – **89.8%**

May 2019 – Jul 2021

Nanded, Maharashtra

WORK EXPERIENCE

Technohertz Technologies LLP

Python Intern

June 2024 – July 2024

Pune, India

- Gained Experience in Machine Learning Algorithm such as YOLOv8.
- Worked on Cigarette Butt Identification for Product Quality Rating System.

Team Sammard

Technical Team Member

Jan 2021 – Jan 2023

- Received Special Achiever Certificate from VIT Vellore.
- Worked on Development of a Flight Simulator using Python.
- Participated in Space Port America Cup `23

PROJECTS

Event-Driven Adaptive Recommendations using BERT

Team of 3

Sept 2024–Nov 2024

This project introduces an improved recommendation system that integrates real-time events potentially affecting user sentiments, and location-based insights to deliver tailored product suggestions.

Deep Learning Approach for Robust Identification of Neurodegenerative Brain Diseases Jan 2025- Current

Team of 2

This Project proposes a hybrid deep learning framework that leverages Graph Neural Networks(GNNs), Long Short Term Memory (LSTM) and optionally Vision Transformers to analyze both spatial and temporal dynamics in MRI data. Our Design emphasizes explainability using Explainable AI (XAI) to ensure clinical trust and transparency, highlighting the most relevant brain regions and clinical features contributing to a diagnosis.

ACHIEVEMENTS & CERTIFICATIONS

- AWS-Certified Solutions Architect-Associate Validation No: 9e93302bb4bd4c49beb6bce08e827a54
- AWS-Certified Cloud Foundations
- **Interests:** Stock Market, Cryptocurrency, Volunteering, Travel.