

ADWAIT PALSULE

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Summary

Electronics and Computer Engineering student passionate about machine learning, neural networks, and practical AI applications. Experienced in building and deploying ML models, working with real-world datasets, and creating full-stack web applications. Seeking a machine learning or software development internship to apply and grow skills.

Education

B.E. in Electronics and Computer Engineering

2022 – 2026

Modern College of Engineering

Current SGPA: 9.21 — CGPA: 8.66

Technical Skills

Programming: Python, C++, Embedded C
ML & AI: scikit-learn, OpenCV, YOLOv8, pandas, NumPy, ANN
NLP / RAG: LangChain, Hugging Face Transformers, RAG
Web Development: Flask, HTML, CSS, MySQL, Streamlit
Deployment & Cloud: AWS EC2, basic server configuration
Data Engineering: MongoDB, dataset preprocessing
Visualization: Matplotlib, Seaborn
Tools & Frameworks: Jupyter Notebook, Git & GitHub, Docker

Projects

AI Game Analysis: Badminton & Tennis Detection (Ongoing) | *B.E. Final Year Project*

- Build a real-time video analysis system using YOLOv8.
- Extract structured data and pass it to an agentic AI pipeline to generate analytical reports.

Multi-Document RAG Q&A Chatbot | *LangChain, Hugging Face, Streamlit*

- Implement RAG pipeline for multi-document question answering.
- Enable accurate contextual responses to user queries across multiple files.

Customer Churn Prediction using ANN | *Python, Streamlit*

- Design and train ANN to predict customer churn.
- Build interactive Streamlit interface for predictions.

Student Performance Prediction | *Flask, AWS EC2, Docker*

- Develop ML models to forecast student performance.
- Deploy Flask app on AWS EC2 with Docker.

Full-Stack Blogging Platform | *Flask, MySQL, HTML/CSS*

- Implement authentication and CRUD operations for blogs.
- Style with responsive, modern UI.

Certifications

- OpenCV Certification
- Infosys Springboard: Python Programming
- Udemy: ML, DL, NLP

Achievements

ProStart Hackathon 2024-25

Hardware Category Winner

- Win the hardware category of ProStart Hackathon 2024-25.