

PARTH DHENGLE

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Education

AISSMS IOIT, B.Tech. AI&DS

Aug 2023 – May 2027

- **CGPA: 8.75/10.0**
- **Relevant Coursework:** DBMS, Software Engineering, OOP, Data Structures and Algorithms, Operating Systems, Business Analytics, Data Science, Machine Learning, NLP, Deep Learning, Generative AI.

Experience

YCS Tech | SDE Internship

Aug 2025 – Nov 2025

- Developed a responsive **Task Management Dashboard** using **Next.js** during the initial skill evaluation phase, implementing core features like task creation, status tracking, and state persistence.
- Led the end-to-end development of a **Battery Simulation System**, a virtual testing platform built from scratch using **Next.js** (frontend) and **FastAPI** (backend), integrating real-time parameter computation and data visualization.
- Collaborated closely with clients in **Agile Scrum** sprints, managing feedback iterations, code reviews, and deployments—delivering a production-ready application under tight deadlines.

Ai-Adventure | Competitive Programming Mentor

Aug 2024 – May 2025

- Applied **Python** and **scikit-learn** to build and evaluate ML models on real-world datasets.
- Gained hands-on experience in **data wrangling**, **OOP**, and **visualization** using Pandas and Matplotlib.

Achievements

- Secured **1st place** in Coding Relay (AISSMS, Keystone).
- Achieved **2nd place** in Hack the Template and Code Hunt.
- Earned **3rd place** in Bit by Bit (PCCOE).

Projects

NOVA –Agentic AI Workflow System | *FastAPI, Electron, CrewAI, FAISS, Firebase* | Github

In Development

- Developed a multi-agent AI assistant using **CrewAI** to automate digital workflows, integrating a **RAG pipeline** with **FAISS** vector search and Firestore memory.
- Built an end-to-end **Electron + FastAPI** system with 60+ tools for automated reasoning, document handling, and task execution.

Cliphub.in – Fullstack Media Platform | *Next.js, FastAPI, Firebase, Cloudinary* | Github

Live

- Engineered a scalable media-sharing app enabling video/audio uploads, user playlists, and content organization.
- Implemented secure **Firebase authentication** and optimized media delivery through **Cloudinary CDN**.

Insight Lab – Automated Data Analysis Tool | *Streamlit, Python, OpenAI API, Plotly* | Github

May 2025

- Created a Streamlit app automating data cleaning, visualization, and insight generation pipelines.
- Integrated **OpenAI API** for intelligent insights and used **Plotly** for dynamic data dashboards.

Skills

Languages: C, C++, Python, HTML, CSS, JavaScript, TypeScript

Frameworks/ Libraries: React, Next Js, Fast-API

Databases/ Technologies: SQL, Mongo DB, Vector DB, Firebase, Cloudinary

Others: Data-structures and Algorithms, Data Science, ML/ DL, RAG-System, NLP,

Leadership and Position of Responsibility

- **ML Head, Department of AI & DS:** Led a team of students in organizing workshops and mentoring peers in applied ML and Gen-AI projects.
- **Fullstack Developer Intern, YCS Tech:** Took full ownership of a client-based Battery Simulation System, managing sprints, feedback cycles, and deployment.
- **Hackathon Participant:** Competed in 5+ national hackathons, contributing to problem-solving, model design, and fullstack implementation.