

Atharva Atterkar

Third-year Computer Science & Engineering (AI) Undergraduate

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WORK EXPERIENCE

Project Intern

Aug 2024 - Dec 2024

Eduplus Campus, Pune

Worked on a **sponsored** project focused on student attention detection using advanced technologies.

COMMUNITY

Associate Finance Head

Jun 2023 – May 2024

Geeks for Geeks VIIT, Pune

Managed club finances and secured **5+** major sponsors for our flagship event, GeekVishwa (gfgviit.tech).

PROJECTS

Student Classroom Attention Detection Using Image Processing and EEG Signals

 [Github](#)

- Developed a **real-time attention monitoring system** that tracks student focus using **image processing techniques** and **EEG signal analysis**.
- Implemented **CNN-based facial emotion detection** in conjunction with a **Flask** web application for real-time image processing.
- Utilized **Mindlink EEG headband sensor** to capture and analyze student attention levels, integrating this data for enhanced accuracy and insights.

MegaMart: Full-Stack E-commerce Platform

 [Github](#)


- Built a scalable e-commerce web application using the **MERN stack** with features such as **user authentication** (JWT, bcrypt), **state management** (Context API), and **payment gateways** (Braintree).
- Implemented robust backend architecture with **Node.js**, API testing via **Postman**, and optimized frontend performance using **React.js** and **Bootstrap**.

Enhanced Driver Safety System Using Machine Learning

 [Github](#)

- Developed a system to detect **driver drowsiness** to improve road safety using **Inception V3** and **VGG16 models**.
- Used **machine learning** techniques to analyze eye states and alert the driver during periods of drowsiness.

Superstore Sales Dashboard Using Power BI

 [Github \(Live\)](#)

- Provided interactive insights into sales performance, product trends, and customer segmentation.

EDUCATION

2022 - 2026 **B.Tech Computer Science & Engineering (AI)**

Vishwakarma Institute Of Information Technology, Pune

2020 - 2022 **Higher Secondary Schooling**

The Jain International School, Aurangabad

SKILLS

Programming Languages	Python, Java, JavaScript, SQL
Frontend Technologies	React.js, HTML, CSS, Bootstrap, Tailwind CSS
Backend Technologies	Node.js, Express.js, PHP, Flask
Databases	MongoDB, MySQL
Tools & Frameworks	Git, Docker, AWS, Linux, Postman
Data Visualization	Tableau, PowerBI, Matplotlib, Seaborn
Machine Learning	YOLO, CNN, OpenCV, Scikit-learn, TensorFlow, Inception V3, VGG16
Soft Skills	Analytical and Problem-solving, Teamwork

ACHIEVEMENTS

- Winner** of the **Hack-Sphere 24hrs Hackathon**, organized by **Firmway**, for solving the problem statement Intelligent Partial Invoice Matching.
- Honored with **Best Paper Award** for Drowsy Driver Detection System at **IEEE ICBDS 2024** Conference.
- My Team **TechTitans**, ranked **26th/250** teams in the **SMART INDIA HACKATHON** internal round.