

Atharva Atterkar

Third-year Computer Science & Engineering (AI) Undergraduate

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WORK EXPERIENCE

AI Software Development 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.
- Published **Cureus Journal** article: "Student Classroom Attention System Using AI and Sensors."