

Aryan Chavan

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Education

Pune Institute of Computer Technology

Bachelor of Engineering in Information Technology — GPA: 9.57/10.0

Pune, India

June 2026

Global Public School & Jr. College

Higher Secondary Certificate — 87.5%

Pune, India

March 2022

Technical Skills

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

Databases: PostgreSQL, MySQL, MongoDB, HBase

Frameworks & Libraries: Node.js, Express.js, Flask, React

Tools & Technologies: Git, GitHub, VS Code, Firebase, Hadoop, HiveQL, Postman, Azure, NGINX

Experience

AI/ML Developer Intern

LSOYS Apps

Feb 2025 – May 2025

Remote

- Developed fraud detection algorithms and face recognition systems for security footage analysis, enhancing surveillance capabilities in digital platforms
- Implemented machine learning models for personalized product recommendations, increasing user engagement and sales in e-commerce applications

Projects

Pictofest — React, Firebase, PostgreSQL, Node.js, Express, Azure

Dec 2024 – Jan 2025

- Built and deployed full-stack art competition platform with secure image uploads, role-based authentication, and optimized database queries
- Implemented public voting system with fraud prevention and integrated event-driven email notifications
- Deployed scalable architecture using Azure cloud services with NGINX and PM2 for production environment
- Live application: pictofest.in

Foveated Rendering — Python, OpenCV, NumPy, Mediapipe

Oct 2024

- Optimized CPU performance by dynamically adjusting screen resolution across foveal, near, and far peripheral regions
- Implemented real-time gaze and blink detection using Mediapipe for hands-free cursor control
- Added visual boundary markers using OpenCV to improve user interaction clarity and system usability

Achievements & Activities

ZS Campus Beats — Winner

May 2025

- Selected among top 125 teams across India in ZS Campus Beats Tech-Challenge competition

Seminar Poster Presentation — Runner-up

Sept 2024

- Secured 5th position in department for poster presentation on "Foveated Rendering" to industry experts

Relevant Coursework

Object-Oriented Programming, Data Structures & Algorithms, Computer Networks, Database Management Systems, Data Science and Big Data Analysis, Discrete Mathematics, Processor Architecture