

Amit Shinde

Indian Institute of Technology, Goa

Third Year **Undergraduate, Computer Science**

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Education

BTech, Computer Science , Indian Institute of Technology Goa	CPI : 8.57/10	2022 – 2026
Class 12, HSC , Shramik , Junior College sangamner	Aggregate: 92.33 %	2020 – 2021

Experience

Intern as Data Scientist at Null Classes, Chennai [\[Link\]](#) (May 2022 – Present)

- **Advanced emotion detection** across species using TensorFlow, OpenCV, and real-time webcam integration, exploring emotions through images and voice data while developing a **proper UI** for it.
- **Increased user engagement** and minimized bugs in the code, facilitated **code reviews**, and collaborated on integrating **machine learning** models with web technology.

Intern at OPOC (Web Development Intern) (March 2024 – April 2024)

- Integrated front-end design with backend functionalities, using React, HTML, CSS, Tailwind CSS, and JavaScript; improved application load times by 30%, and supported backend development for AI interview project.
- Developed web scraping program in Python to help the firm download public data, including over 10,000 company descriptions and stock quotes, enriching internal data and increasing research efficiency by over 50%

Projects

E-COMMERCE Website (MERN Stack) [\[Github\]](#) (Jan 2024 – May 2024)

- Designed and implemented a full-stack MERN e-commerce platform with integrated **payment** processing and secure authentication using **JWT**, **CryptoJS**, and encryption for User and Admin data , Fully Functional Backend.
- Designed a dynamic UI with **React** and Tailwind CSS, while integrating **MongoDB** for scalable **data management**, decreased page load times by 40% and increased user engagement by 25%
- Implemented using MERN stack (MongoDB, Express.js, React, Node.js), Javascript , Databases , APIs ,Security,Tailwind CSS, JWT.

Face Detection System (Deep Learning) [\[Github\]](#) (May 2024 – June 2024)

- Developed a face detection system with gender detection and age recognition using CNNs and keras with prediction accuracy of 93% and also created a proper UI for it using Pickle, Python, HTML, CSS, and JavaScript.
- Implemented a system using CNNs, FaceNet, ImageDataGenerator , deep learning, transfer learning, tensorflow , and webcam.

PUBG Winning Percentage Prediction (Data Science) [\[Github\]](#) (May 2024 – June 2024)

- Innovated a PUBG winning percentage predictor using CatBoost, incorporating data cleaning, feature engineering, and decision trees. Integrated with UI using Keras and Pickle for model persistence , improving win prediction accuracy to 95%.
- Implemented a system using CatBoost, Seaborn, NumPy, Pandas, StandardScaler, HTML, CSS, JavaScript, Pickle, and Keras.

Peer-to-Peer File Sharing (Computer Network) [\[Github\]](#) (Jan 2024 – March 2024)

- Developed a peer-to-peer file sharing system using Socket.io and Python, improving file transfer efficiency across networks.

[Minor Project] Todo List Application (Web development) [\[Github\]](#) (Nov 2023 – Dec 2023)

- Designed a responsive Todo list application with backend CRUD operations and API using HTML, CSS, React, and JavaScript.

Skills

Programming Skills: C, C++, Python, JavaScript, Fortran, HTML, CSS, React, VHDL, Verilog, LaTeX, AutoCad, Git, Bash, Linux.

Computer Skills: Hardware design , System design, Microprocessor architecture, Data parallelism, Linux, Git and GitHub, Bash and terminal.

Machine Learning Skills: Data Science, Deep Learning, Feature Engineering, Data Cleaning, Standardization, OpenCV, TensorFlow, Face Detection (Webcam), NLP.

Web Development Skills: Full-stack development, RESTful APIs, MERN stack (RESTful APIs, MongoDB, Express.js, Node.js, JWT.

Courses Completed: DSA, Computer Networks, Computer Architecture, Digital System Design, Algorithm Design, Software Tools, Linear Algebra, Introduction to Economics, Machine Learning([Stanford University](#))

Positions of Responsibility

Event Coordinator, Cepheus'23 Techfest (IIT Goa) Coordinated with the team to plan and execute a seamless event (2023)

Student Mentorship Program Selected as a mentor for 8 first-year students. (2023-2024)

Project Head under Dr. ClientJord Led the team increating the college communication website and the course registration website for our college (Courses Project). (2023-2024)

Achievements

• **(Leetcode)** Achieved a **LeetCode rating of 1810** by solving **600+** problems(75 Hard , 350 Medium , 160 Easy) and competing in 35+ contests; ranked in the top 7% globally. (2024)

• **(Codeforces)** **Rating of 1377**, solved **200+** problems, global ranked **1900th** in Codeforces Round 952, **20+** contests, solved **1500+** problems across platforms(Leetcode , Codeforces , GFG , Atcoder) (2024)

• **(Codechef)** **3-star rating of 1677**, solved **200+** problems , global ranked **58th** in Division 3 Starters 137 (2024)

• As a team head, participated in the **ICPC Amritapuri** and secured the **second** position from the college, contest rank 502 (2023)

• Represented college in **Search India Hackathon**, participated in Meta Hackathon by Facebook, **global rank 5000** [\[LINK\]](#) (2023)

• Secured **3rd place** in the First year at IIT Goa with a CPI of 9.33, maintained a current CPI of 8.57 (2022)

• **1st** in 11th and 12th at Shramik Junior College, Sangamner, **99.10 percentile** in JEE Mains (Math) (2022)