

Anshu Prakash Hindoyar

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Experience

Tata Steel UISL – Internship Trainee

March 2025 – April 2025

Jamshedpur, Jharkhand

- Implemented people counting in an office and built a real-time attendance prototype to replace manual RFID systems.
- Labeled and trained a 15000-images dataset via Roboflow and explored ByteTrack and DeepSort for tracking accuracy.
- Gained hands-on experience with Python, OpenCV, PyTorch, YOLO, NumPy, and Roboflow for data labeling, preprocessing, model training, and video-based analytics.

Projects

Smart Wearable for Elderly and Kids (Ongoing)

- Developed a smart wearable with fall detection, heart rate monitoring and health sensors for emergency assistance, along with real-time location tracking.
- Used Node-RED on Raspberry Pi to connect wearable sensor outputs with Pushbullet, enabling automatic emergency alerts to guardians in real time.

MERN Authentication System

github.com/mern-authentication

- Developed RESTful APIs with Node.js, Express, and MongoDB for user authentication workflows including signup, login, email verification, password reset, and logout.
- Built a React frontend with protected routes and secure signup, login, and email verification features.
- Implemented JWT-based authentication with OWASP-compliant security and integrated Mailtrap for safe email testing.

Expense Tracker

github.com/expense-tracker

- Developed a full-stack Expense Tracking application enabling users to record, categorize, and visualize personal expenses with real-time updates.
- Implemented user authentication, secure data storage, and responsive UI to ensure seamless and secure user experience across devices.
- Added data visualization through charts and graphs to support spending analysis and budget management.

Technical Skills

- **Languages:** C++, C, Python, SQL
- **CS fundamentals:** Data structures and algorithms, Computer networks, OOPS, Operating Systems, DBMS
- **Web Development:** HTML, CSS, Javascript, React.js, Express.js, Node.js, MongoDB
- **Embedded Systems:** Raspberry Pi, Arduino UNO, IOT Sensors
- **Tools:** Git, Github, Postman, Visual Studio Code

Education

Ramaiah Institute of Technology, Bangalore

2022-2026

Bachelor of Engineering in Electronics and Telecommunications

Narbheram Hansraj English School, Jamshedpur

2020-2022

ISC

Percentage: 89.75

Leadership Skills

- **Vice Treasurer, IEEE Sensors Council** – Supported financial operations and contributed to organizing technical events and workshops under the council.
- **Social Media Head, E-Cell Ramiah** – Led content strategy and promotion for startup events, boosting social media engagement and visibility of E-Cell initiatives.

Achievements

- Solved 300+ DSA questions on platforms like LeetCode, GeekforGeeks and Codeforces.
- Secured 3rd position in Capture the Flag organised by Google Developers Students Club (GDSC) RIT.
- Secured 1st position in RIT-techfest- AAVISHKAAR, showcasing problem solving and teamwork.