

Subhashree Swain



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SUMMARY

Computer Science undergraduate with a strong foundation in MERN stack, Java, and AI/ML, completed my internships at Tech Mahindra, InternPe, and CTTC. Applied knowledge to build practical solutions, including AI-driven hotel booking platforms, social networking applications, and facial recognition systems. Recognized for problem-solving, collaboration, and adaptability to emerging technologies. Aspiring to use my technical expertise and creativity to deliver impactful software development solutions.

EDUCATION

Ajay Binay Institute of Technology, Cuttack-B.Tech in CSE – GPA- 8.05 **Nov 2022 - Ongoing**
Stewart Science College, Cuttack-Science, Higher Secondary **Jun 2020 - Jun 2022**
Ravenshaw Collegiate School, Cuttack- High School **Apr 2008 - May 2020**

WORK EXPERIENCE

Full Stack Intern – Tech Mahindra, Bhubaneswar ([Link](#)) **Jun 2025 – Jul 2025**
• Developed backend features for **CREST Transportation** using Node.js and MongoDB to enhance system functionality.
• Assisted in designing and testing RESTful APIs with Postman under senior developer guidance.
• Contributed to agile stand-up meetings and practiced effective version control using Git.

Java Intern – InternPe ([Link](#)) **Aug 2024 – Sept 2024**
• Developed Java applications applying **OOP principles**, exception handling, and multithreading.
• Built mini-projects using **Java Swing**, JDBC, and MySQL database integration.
• Debugged and optimized code to improve overall performance and efficiency.

AI/ML Intern – CTTC, Bhubaneswar ([Link](#)) **Jun 2024 – Jul 2024**
• Built a **Python + OpenCV** based face detection and recognition system.
• Trained **Haar cascade models** and performed dataset pre-processing.
• Utilized **Git and GitHub** for collaborative development and version control.

SKILLS

Languages: Java (J2SE), Python, HTML, CSS, JavaScript, SQL.

Frameworks & Tech: MongoDB, Express.js, React, Node.js, REST APIs.

Tools & Platforms: VS Code, Jupyter Notebook, Git, GitHub, MongoDB Atlas, Postman, Nodemon, Vercel, Render.

Concepts: DBMS, OOP, DSA, OS, SDLC.

PROJECTS

Smart Hotel Booking Portal – MERN with AI **Jun 2025 – Jul 2025**

APP LINK => <https://quickstay-flame.vercel.app>

- Developed a full-stack hotel booking app using MongoDB, Express.js, React, and Node.js, enabling users to browse, book, and manage hotel rooms with real-time admin dashboard control.
- Implemented Clerk authentication, Stripe payments, and also Integrated **email functionality** (Brevo) to instantly send booking confirmations and updates to users, ensuring smooth **hotel reservation and management workflow**.
- Integrated an AI chatbot for hotel search and booking assistance.
- Managed image uploads with Cloudinary and deployed on Vercel via GitHub.

APP LINK => <https://vybe-frontend-egxg.onrender.com>

- Developed a social media platform using MongoDB, Express.js, React, Node.js, and Socket.IO for **real-time** features.
- Created a responsive UI with Tailwind CSS and implemented **JWT** authentication with Cloudinary media storage.
- Built core features including Reels, Stories, chat, likes, comments, live notifications, and follow/unfollow.
- Deployed the application on Render using GitHub.

Face Detection & Recognition – AI/ML

Jun 2024 – Jul 2024

- Developed a live face detection and recognition system using Python and **OpenCV**.
- Trained a custom **Haar cascade** model, achieving **96.21%** accuracy.
- Implemented live face tracking and database matching.
- Integrated IP Webcam for real-time video streaming.

CERTIFICATIONS

- Full Stack Intern – Tech Mahindra ([Link](#))
- AI & ML – CTTC ([Link](#))
- Introduction to Frontend Development – Meta ([Link](#))
- Messenger Chatbot using Chatfuel – Coursera ([Link](#))
- Java Programming – InternPe ([Link](#))

ACHIEVEMENTS

Winner: State-Level Paper & Poster Presentation on IoT & AI-Based Blood Disease Detection and Diagnosis.

Winner: SIH Internal Hackathon.

3rd Prize: ISTE Poster Presentation & Rangoli

2nd Prize: Scratch Programming Competition.

Participant: RBI Quiz & InternPe Quiz.

HOBBIES

Self Development Activities, Painting, Rangolies, Cooking, Music.