Abisek Rout

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SUMMARY

Passionate and results-driven Computer Science undergraduate with hands-on experience in MERN stack, Java, and AI/ML projects. Completed internships at Tech Mahindra, InternPe, and CTTC, delivering real-world solutions like AI-powered hotel booking portals, social media platforms, and facial recognition systems. Strong problem-solving, teamwork, and communication skills with a proven ability to adapt quickly to new technologies. Seeking to contribute to innovative software development.

EDUCATION

Ajay Binay Institute of Technology, Cuttack-B.Tech in CSE – **GPA**- 8.08   **Nov 2022-Ongoing**

Stewart Science College, Cuttack-Science, Higher Secondary – 68%   **Jun 2020-Jun 2022**

St Xavier's High School, Cuttack- High School – 70.21%   **Apr 2008-May 2020**

WORK EXPERIENCE

Full Stack Intern – Tech Mahindra, Bhubaneswar   **Jun 2025 – Jul 2025**

- Developed backend module for 'CREST TRANSPORTATION' for vehicle scheduling & route management.
- Built & integrated RESTful APIs; deployed apps using CI/CD pipelines.
- Improved communication, Experienced teamwork & Gained leadership skills.

Java Intern – InternPe   **Aug 2024 – Sept 2024**

- Built Java-based apps with OOP, exception handling & multithreading.
- Developed Java Swing + JDBC mini-projects with MySQL integration.
- Improved debugging & optimization skills.

AI/ML Intern – CTTC, Bhubaneswar   **Jun 2024 – Jul 2024**

- Created a Python + OpenCV face detection & recognition system.
- Trained Haar cascade models & managed dataset preprocessing.
- Collaborated in team using Git & GitHub.

SKILLS

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

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

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

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

PROJECTS

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

- Built a full-stack hotel booking application using the MERN stack.
- Implemented Clerk authentication, Brevo for automated emails, Nodemon for auto-restart, Stripe for payment gateway, and Cloudinary for image uploads.
- Integrated an AI chatbot to assist users in hotel search and booking.
- Deployed the application on Vercel via GitHub.

Social Media App "VYBE" – MERN + Socket.IO   **Jan 2025 – Mar 2025**

- Developed a social media platform using the MERN stack with Socket.IO for real-time features.
- Designed an engaging UI with Tailwind CSS, implemented secure authentication using JWT, and integrated media uploads with Cloudinary.
- Built features such as Reels, real-time chat, disappearing Stories, likes, comments, live notifications, and follow/unfollow.
- Deployed the application on Render via GitHub. – APP LINK: **https://vybe-sb2o.onrender.com**

Face Detection & Recognition – AI/ML   **Jun 2024 – Jul 2024**

- Created a face detection and recognition system using Python and OpenCV.
- Trained a custom model with Haar cascades, achieving **96.21%** accuracy.
- Enabled live face tracking and matching against a stored database.
- Used IP Webcam for live video streaming.

CERTIFICATIONS
- Full Stack Intern – Tech Mahindra.
- AI & ML – CTTC.
- Introduction to Frontend Development – Meta.
- Messenger Chatbot using Chatfuel – Coursera.
- Java Programming – InternPe.

ACHIEVEMENTS
- Winner of Paper & poster presentation (IoT & AI-based disease detection) at State Level, SIH internal Hackathon, AI project (Face Detection and Recognition).
- Author – H-IoT paper published in International Journal.
- 3rd place – ISTE Poster Presentation & 2-Min Rush.
- Runner-up – Scratch Programming Competition.

HOBBIES
Self-development activities, Cricket, Cooking, Listening to music.