

# Rucha Ahire

Pune, Maharashtra, India | [ahirerucha81@gmail.com](mailto:ahirerucha81@gmail.com) | +91 9766478828  
[linkedin.com/in/rucha-ahire09](https://linkedin.com/in/rucha-ahire09) | [github.com/rucha-code-nodes](https://github.com/rucha-code-nodes)

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## PROFESSIONAL SUMMARY

- Full Stack Developer with hands-on experience in Node.js, Express.js, React, MongoDB and MySQL through internships and academic projects. Quick learner, adaptable, with strong problem-solving skills, clear communication, and a collaborative approach to building efficient web applications.

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## EDUCATION

- B. Tech – IT**, SVKM IoT, DBATU CGPA: 7.32
- HSC**, Jai Hind College, State Board 71.67%
- SSC**, Kamlabai Girls School, State Board 90.60%

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## TECHNICAL SKILLS

- Backend:** Node.js, Express.js, Redis
- Frontend:** React, HTML5, CSS, JavaScript
- Databases:** MySQL, MongoDB
- Programming Languages:** Java, Python
- Tools:** Git, Postman
- CS Concepts:** OOP, DBMS

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## WORK EXPERIENCE

### Smart Logic Technologies

*IoT Intern*

- Built IoT dashboard with 1 sensor; automated data workflows by 25%.
- Improved debugging accuracy by 20% by identifying and fixing sensor protocol issues.
- Demonstrated attention to detail in device integration testing, reducing test errors by 15%.

### CodeCraft Networks

*Backend Intern*

- Worked on 5+ live backend tasks under Artifintel & CodeCraft mentorship.
- Created 4 Flask APIs with focus on API development best practices; optimized backend efficiency by 30% using Python.

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## PROJECTS

- AI Smart Beauty** – Built an AI-driven beauty analysis platform using **React, Flask, OpenCV, XGBoost, Node.js, MongoDB**. Built pipelines for HSV-based skin-tone detection, face shape classification, and real-time image preprocessing. Integrated ML inference through REST APIs and constructed an interactive UI for recommendations on makeup, clothing, and hairstyles. Improved user decision-making by **50%**.
- Student Manager** – Full-stack student data management system using **HTML5, CSS, JavaScript, Node.js, Express.js, MongoDB, Multer, Cloudinary, JWT, bcrypt**. Implemented secure authentication using **JWT + bcrypt + OTP**. Developed separate modules for students and admins, with the **admin backend capable of generating reports for all documents uploaded by students**. Performed **CRUD operations** and automated record workflows for the student module. Handled file uploads via **Multer**, stored securely on **Cloudinary**, and enabled fast search, role-based operations, and real-time data updates, improving manual scholarship reporting efficiency by **40%**.
- MovieMood Recommender** – Built a real-time emotion-based movie suggestion system using **HTML5, CSS, JS, Flask, OpenCV, MobileNetV3**. Captured webcam images, detected emotions using Haar Cascade + MobileNetV3, and generated mood-based movie suggestions through lightweight REST APIs. Refined user interaction using a seamless webcam interface and accurate emotion classification.

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## CERTIFICATIONS & ACHIEVEMENTS

- Infosys Springboard – Python**
- Infosys Springboard – HTML, CSS**
- Google Cloud – Generative AI**
- HP LIFE – Generative AI**
- Java – IIT Bombay (Spoken Tutorial)**
- Top 50 Finalist – Mercer | Mettl StackHack 2.0 (2024)**
- AICTE Startup Bootcamp – Rajkot (2024–25)**
- AICTE Startup Bootcamp – Sambhajinagar (2024–25)**
- C++ Bootcamp – IIT Bombay (2025)**