

Ritesh Chauhan

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EDUCATION

CEC JHANJERI

B.tech CSE

2022-2026

Intermediate

S.G.D.M

2020-2022

TECHNICAL SKILLS

Programming Languages: Python, C++

Libraries and Tools: PyTorch, Sklearn, Pandas, Numpy, OpenCV, Git, Docker

ML Architectures: CNN, YOLO, Transformers(BERT, LSTM), RAFT

INTERNSHIP EXPERIENCE

AI & Full-Stack Developer. intern

Oasis Infobyte — Remote

June 2024 – July 2024

- Developed full-stack applications using MERN stack to automate daily tasks and improve UI/UX design .
- Built a responsive AI chatbot integrated with RESTful APIs and deployed on the cloud. Learned industry workflows, project management using Git, and collaborative development practices.

Hackathon Participant

Flipkart Grid, IBM Xchange, Smart India Hackathon — India

2024

- Designed and implemented real-world solutions in fast-paced, collaborative team environments. . Built projects ranging from DDoS protection systems to AI-powered product recommenders and voice-enabled tools. .
- Gained hands-on experience in cloud deployment, cybersecurity, NLP, and scalable backend systems.

Research-Based AI Projects (Self-Initiated)

Ongoing

- Built a deep learning-based image classifier using PyTorch and TensorFlow, trained on custom datasets. .
- Created a chatbot in Hindi and English using transformer-based models to assist with FAQs and navigation. .
- Developed a crypto price alert system using Node.js and WebSockets for real-time data sync.

PROJECTS

- **SaarthiNet** , A digital infrastructure platform combining a voice-first AI assistant (Saarthi AI) supporting Indian languages with a cybersecurity mesh (RakshaNet) to help rural users securely access government and financial services. .
- **EcoCutlery** , Developed a responsive web application to showcase eco-friendly biodegradable cutlery products aimed at reducing single-use plastic waste in the food delivery and hospitality sectors.
- **CryptoBridge** , A fintech platform prototype enabling international and domestic crypto + fiat transactions with real-time conversion between INR, USD, and cryptocurrencies like Bitcoin and Ethereum. .
- **Smart DDoS Shield (SIH 2024)** , A cloud-based system to detect and mitigate Distributed Denial-of-Service (DDoS) attacks on websites using machine learning, IP tracing, and scalable firewall rules. .

CERTIFICATION

- Programming in Python(UDEMY)
- Full Stack Development(UDEMY)

EXTRACURRICULAR ACTIVITIES

- **Event Coordinator** in CEC JHANJERI- sep-2024
- **E-cell Member** in Entrepreneurship Club - june-2024 - nov-2024