Yuvraj Jadhav

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Profile

Software Development Enthusiast with a strong foundation in Java, DSA, OOPs, and Web Development. Experienced in building full-stack projects, problem-solving through hackathons, and publishing IEEE research.

Education

Vishwakarma Institute Of Technology, Pune *2022-2026*

Bachelor of Technology in Electronics & Telecommunication

- CGPA: 7.81/10.0

Projects

Blockchain Enabled Voting System *GitHub*

- Built a secure electronic voting system using Arduino UNO and fingerprint authentication to verify voter identity.
- Designed a virtual blockchain to record and validate votes, ensuring immutability and transparency in the voting process.
- Developed RESTful APIs in Node.js and Express.js for seamless communication between hardware and backend.
- Integrated Python scripts for block creation and hashing, enabling secure and verifiable vote transactions in MongoDB.
- **Technologies:** Node.js, Express.js, MongoDB, Python, Arduino UNO, Fingerprint Sensor

Instagram Clone Based Chitchat Application *GitHub*

- Developed a desktop-based real-time chat application replicating Instagram's messaging interface using Java Swing.
- Implemented socket programming for real-time, two-way communication between users.
- Used MySQL with JDBC for managing user data, authentication, and message storage.
- Designed a modular and scalable architecture to support media sharing and user presence tracking.
- **Technologies:** Java, Swing, JDBC, MySQL

Deepfake Detection System Using Deep Learning *GitHub*

- Developed a CNN-based model using TensorFlow to classify real and fake videos by detecting facial manipulations.
- Used OpenCV for frame extraction, preprocessing, and face detection from video inputs.
- Applied data augmentation and regularization techniques to enhance model accuracy and robustness.
- Achieved reliable deepfake identification through AI and computer vision techniques for media forensics.
- **Technologies:** Python, TensorFlow, OpenCV, CNN

Technical Skills

Programming: C++, Java, Python
Database: MySQL, PostgreSQL, MongoDB
Frontend: HTML, CSS, JavaScript, React.js, Next.js
Data Analysis & Visualization: Pandas, NumPy, Matplotlib, Seaborn, Power BI, Tableau, Excel
Core CS: Data Structures & Algorithms, Object-Oriented Programming
Tools: Git/GitHub, Excel, VS Code, Jupyter Notebook, Figma
Soft Skills: Communication, Analytical Thinking, Teamwork, Leadership

Achievements

- Winner at I2I COEP Hackathon 2025
- 1st Runner-Up at Innovation Expo 2024 for the Best EDI Project

Certifications

- Certificate from Duke University for successfully completing the course on web development
- Certificate of Completion: Google Data Analytics