Aditya Dev Dwivedi

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EDUCATION

B. Tech (Bachelor of Technology)   Aug 2023 - Aug 2027
Computer Science   *CGPA: 8.26/10*
VIT-Bhopal University

CORE TECHNICAL SKILLS

- MongoDB
- API
- HTML
- CSS
- MYSQL
- Java
- JavaScript
- Git
- Data Structure & Algorithms
- Debugging & Troubleshooting

PROJECTS

Medicare -

- Designed and developed a web-based platform that predicts diseases, based symptoms of user and provides nearby doctor appointments.
- Implemented secure authentication with separate logins for admin, doctor, and users.
- Designed smart slot booking system, allowing users to book slots with the available doctor to their preferred timings.
- Enabled doctors to confirm appointments, prescribe medicines, and manage patient interactions through the platform also.
- Utilized MongoDB for efficient data storage and retrieval, ensuring smooth user experience.

Deep-Fake Video Detection -

- Developed an AI-powered system to detect face-swap deepfakes in videos using Deep Learning and Computer Vision.
- Implemented CNNs, RNNs, LSTMs, and frequency analysis for detecting visual and audio inconsistencies.
- Utilized FaceForensics++ dataset for training and optimized performance using adversarial training.
- Designed a React-based frontend for user interaction and integrated MongoDB for data storage.
- Designed for social media platforms, cybersecurity experts, and digital forensics to detect deepfakes and ensure content authenticity.

EXTRA-CURRICULAR AND ACHIEVEMENTS

Hackathon and Coding -

- University-Level Hackathons.

CERTIFICATIONS

- **Introduction To Machine Learning-** NPTEL
- **Ubuntu-** Coursa
- **The Bits and Bytes of Computer Networking-** Google