

ANIMESH PANDEY

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Education

Jyoti Niketan School

PCMB in 10th Standard (88%) and PCM in 12th Standard (85%)

April. 2016 – May 2022

Azamgarh, Uttar Pradesh

Vellore Institute of Technology (VITB)

Bachelor of Technology in Computer Science Engineering (AIML)

Sep. 2023 – Apr 2027

Bhopal, Madhya Pradesh

Relevant Coursework

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|----------------------|-----------------------|---------------------------|-------------------------|
| • Data Structures | • Algorithms Analysis | • Artificial Intelligence | • Operating Systems |
| • Competitive Coding | • Database Management | • Computer Networks | • Computer Architecture |

Projects

Ballot | Flask, SQLite, HTML, CSS, JavaScript, Web Design

December 2024

- Created a social media platform that bridges the gap between voters and governance. It allows users to post feedback, share concerns, and analyze leaders through polls, surveys, and leaderboards.
- Utilized HTML and CSS technologies to design and develop a visually engaging and highly interactive user interface, ensuring an optimal user experience.
- Implemented JavaScript to enable dynamic user interactions and facilitate real-time updates, enhancing the responsiveness and functionality of the application.
- Used Flask Framework and SQLite Database for handling API requests, backend logic and storing user profiles, poll results and leaderboard data.

OCR : Optical Character Recognition | Python, Tesseract, EasyOCR, TensorFlow, PyTorch

April 2025

- Implemented an Optical Character Recognition (OCR) system enhanced with Machine Learning (ML) to automate and improve document digitization processes across various sectors.
- Used Tesseract as the Primary OCR engine for extracting text from images and scanned documents, and EasyOCR as the supplementary OCR library, especially effective for multilingual and handwritten text.
- Utilized Tensorflow to build and train ML models that refine OCR output and improve recognition accuracy with various learning algorithms like SVMs, k-NNs or RNNs.
- Gained knowledge on PyTorch for an alternative deep learning framework for experimenting with neural network architectures.

Cybercrime Management Console | Data Management, Language Models, SHA-256

February 2026

- Designed an integrated platform to streamline the process of reporting, investigating and managing the cybercrime incidents.
- Used SHA-256 algorithms to hash evidence files and encrypt reports for robust security.
- Implemented custom AI models to form a report and suggest solutions to the user as well as help in protecting the evidence..

Technical Skills

Languages: Python, Java, C, C++, HTML/CSS, JavaScript, SQL

Developer Tools: VS Code, Eclipse, Google Cloud Platform, Antigravity

Technologies/Frameworks: JDBC, WEKA, GitHub, Raptor, PowerBI

Experiences and Achievements

- Secured a position in top 5 competitors in e-Yantra International Robotics competition conducted by IIT Bombay alumnis.
- Made way till semi final round in Smart India Hackathon (SIH'24) being one of the teams recommended by the college to the competition.
- Led the team of volunteers in the Industrial Conclaves conducted in the college showcasing Leadership and Management.