Manik Pandey

Haldwani (Nainital) , Uttarakhand

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🐙 github.com/ManikPandey

Education

Vellore Institute of Technology, Bhopal
Bachelor of Technology in Computer Science and Engineering, Current CGPA: *9.15*   *June 2027 (Expected)*
Specialization: Artificial Intelligence & Machine Learning
Relevant Coursework: Data Structures & Algorithms, OOP, Operating Systems, Computer Vision, Robotics, AI, DBMS

Certifications

July 2025: Oracle Generative AI Professional

June 2025: Cloud Computing, NPTEL SWAYAM (IIT Kharagpur)

Rajya Puraskar 2019: Governor's certificate in Scouts and Guides

Technical Skills

Programming Languages: Python, C++, Java, JavaScript

Web Technologies: HTML, CSS, Node.js, Express.js, React, EJS ,MongoDB

Machine Learning & Frameworks: YOLO, TensorFlow, Keras, PyTorch, scikit-learn, NumPy, Pandas

Robotics & Simulation: PX4, Gazebo, Ubuntu

Tools & Others: Git/GitHub, REST APIs, Docker, Material UI, Joi

Projects

2024: **Nestify – Home Rental Web App**
A full-stack, Airbnb-style rental platform. github.com/ManikPandey/nestify_HomeRentalApp
○ Designed, built, and deployed a home listing & rental web app using Node.js, Express, MongoDB, EJS, and Cloudinary.
○ Implemented secure authentication (Passport.js), role-based access, image uploads, and MVC architecture.

2024: **Sentiment Analysis Project**
Multi-domain sentiment classification using ML & DL. github.com/ManikPandey/Sentimental_analysis_LSTM_BNB_4dataset
○ Built and compared sentiment analysis models (LSTM, Logistic Regression, Naive Bayes) using scikit-learn and TensorFlow.
○ Utilized GloVe embedding, processed IMDB, Amazon, Yelp, and Twitter datasets, and benchmarked model AUC/accuracy.

Ongoing: **Disaster Management Drone System (RAZOR & AIRBOTS)**
Dual-drone AI system for autonomous disaster response.

Leadership & Activities

May 2025: **Certificate of Recognition**, 7th Udyam Mahila Ideathon Challenge.

2023–2024: **Lead, Pahadi Club, VIT Bhopal** — Organized technical & cultural events for campus engagement.

2022–2023: **Event Management Team, AWS Cloud Club** — Cloud computing workshops & technical events.

2018–2020: **Troop Leader, Scouts (State/District Camps)** — Led team of 20–32 for scouts

Languages: Fluent English & Hindi; Basic German & Japanese