

ANKIT MAURYA

Renukoot, Sonbhadra, Uttar Pradesh

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EDUCATION

Noida Institute of Engineering and Technology

Bachelor of Technology in Internet of Things

Greater Noida, Uttar Pradesh

Nov 2022 – Present

Aditya Birla Intermediate College (UP Board)

Renukoot, Sonbhadra, Uttar Pradesh

Senior Secondary (Class XII), UP Board

Percentage: 70% | 2021

Secondary (Class X), UP Board

Percentage: 74.5% | 2019

SKILLS

Programming Languages: Java, Python, JavaScript

Web Development: HTML5, CSS3, REST APIs

IoT & Embedded Systems: Raspberry Pi, Arduino, Sensors & Actuators

Tools & Platforms: GitHub, VS Code, ThingSpeak

PROJECTS

Netflix-GPT | ReactJS, Tailwind CSS, Firebase, Redux Toolkit, TMDB API, GPT-3.5 API

- Developed using React, integrating Chat-GPT to enhance interaction by 25%, providing AI-driven recommendations.
- Used Tailwind CSS for responsive design, improving load time by 15%, Firebase for real-time database management.
- Managed state with Redux Toolkit, reducing data fetching time by 20%, and incorporated TMDB API for 500,000 titles.
- Used GPT-3.5 API to personalize recommendations, boosting engagement by 30% and session duration by 10 minutes.

Edge-Powered Motion Detection System | Raspberry Pi 3B+, OpenCV, Python, ThingSpeak, libcamera

- Developed a low-cost, real-time motion detection system using Raspberry Pi and OpenCV, with edge-based processing.
- Integrated ThingSpeak cloud for event-based logging, reducing bandwidth usage by 80%.
- Implemented grayscale conversion, Gaussian blur, thresholding, and contour detection for accurate motion alerts.
- Achieved 90%+ detection accuracy; designed for offline use and modular upgrades (YOLOv5, MQTT, Email/SMS).

Courses & Certifications

- **IoT Devices:** Coursera Certification
- **Python Basics:** Coursera Certification
- **Introduction to Artificial Intelligence:** Coursera Certification
- **Human - Centered Design for Inclusive Innovation:** Coursera Certification

Extra Curricular Activities

Photography & Editing, Video Editing, Reading