

Adarsh Pandey

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EDUCATION

Vishveshwarya Group of Institutions, Greater Noida
Bachelor of Technology (B.Tech), Computer Science & Engineering

Greater Noida, UP
September 2022 – June 2026

EXPERIENCE

“CodeX” Coding Club

November 2024 – July 2025

Vice President

Greater Noida, UP

- Founded and led the college’s official coding club with **100+ active members**
- Organized hackathons, coding workshops, and seminars on **React, JavaScript, and backend technologies**.
- Mentored juniors in **full-stack development** and contributed to multiple tech community events.

PROJECTS

Peer-to-Peer Farmer Support Platform

React, Node.js, Express.js, Firebase, Tailwind CS, Google Maps, Google Library API

February 2025 - Present

- Developing a full-stack web and mobile app for crop exchange, knowledge sharing, and real-time farmer support.
- Integrated real-time chat, crop bidding, and price negotiation between farmers and sellers.
- Added Google Maps API to visualize farmer/market locations and Firebase for dynamic data syncing.
- Enabled farmers to buy agricultural supplies like seeds, fertilizers, and tools directly via the platform.*
- Planned integration of crop scanning, live commodity rates, and government MSP data for smarter trading.*

YourRoute | *React, Material UI, ExpressJS, C, Azure*

Dec 2024

- Developed a real-time tracking platform for loop buses in Delhi to ease metro crowding during peak hours, serving over **12,000 users**.
- Built a responsive React Web and app with Google Maps integration to display active buses and metro in real time.
- Achieved **Top 10** in the Google Developer Student Challenge out of **2000 teams worldwide**.

[Live Demo or GitHub]

HealthEd Pro | *React, Express.js, Tailwind CSS, Firebase, Gemini API/Java Script*

October 2024 – November 2024

- Developed an empathetic AI agent to assist users with personalized mental health assessments and self-care guidance.
- Integrated Gemini API with custom-built tests for depression, PTSD, addiction, Anxiety disorders like **12+ disorders** incorporating real-time **emotion detection** using facial sentiment analysis powered by **TensorFlow.js** and **WebRTC**.
- Won **1st Prize** out of **250+ teams** for innovation in mental health tech at a university hackathon.

[Live Demo or GitHub]

Research Project

Drone Detection using ML & Sensor Fusion (Ongoing Research Paper)

Python, TensorFlow, ROS Noetic, MATLAB, Jetson Xavier, Docker

November 2024 – Present

- Researching a real-time drone detection system using infrared, radar, and acoustic sensor fusion (**92%+ accuracy**).
- Designing ML pipeline for edge inference on Jetson Xavier with multi-sensor input.
- Investigating RF-jamming, laser interference and Hard kill Solutions for active drone neutralization.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, Java, HTML/CSS

Frameworks: React, Node.js, Express.js, Tailwind CSS, Firebase, Next.js, Vite

Tools: Docker, Git, Netlify, Render, VS Code

ML Tools: TensorFlow, PyTorch, OpenCV, MATLAB

Soft Skills: Leadership, Teamwork, Communication, Debating, Anchoring