

# OJUS GUPTA

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## SUMMARY

3rd-year B.Tech student specializing in Artificial Intelligence and Machine Learning at VIT Bhopal. Proficient in designing intelligent systems and implementing ML/DL algorithms for practical applications. Experienced in Python, MERN FULL Stack and data science libraries, with a strong background in data preprocessing and predictive analytics. Active GitHub contributor and hackathon participant with multiple accolades, focused on building a data science career through hands-on projects and certifications

## EXPERIENCE

### Core Team Member | Software Development Club (SDC)

- Led Design Team to organize multiple major events on campus successfully.
- Contributed to UI, branding, and student outreach initiatives.
- Participated as Technical Contributor in LINPACK Club, focusing on backend and AI-driven prototypes.
- Achieved victory in three major hackathons organized by IEEE Student Chapter and LINPACK Society.
- Web Developer Intern At NIFTY INVEST

## EDUCATION

Degree	Institute/University	Year	CGPA / %
B.Tech Computer Science (AIML)	VIT Bhopal University	2023 - Present Bhopal, M.P	8.04
Senior Secondary ISC Board	Mother Teresa Mission Higher Secondary	March 2023 Kanpur, U.P	84%
Secondary School Certificate ICSE Board	Mother Teresa Mission Higher Secondary	March 2021 Kanpur, U.P	90%

## CERTIFICATIONS

- Applied Machine Learning – Coursera
- Machine Learning Specialization – Coursera
- Data Structures & Algorithms with Java – NPTEL (Completed May 2024)
- Cloud computing – NPTEL (Completed May 2025)
- Generative AI for developers – Udemy
- Microsoft Certified Data Analyst Course.

# PROJECTS

## Customer Churn Prediction

**Stack:** Python, Streamlit, Scikit-learn, Pandas, Heroku

- Deployed a machine learning model on Heroku to predict telecom customer churn.
- Built an interactive Streamlit dashboard for data visualization and real-time predictions.
- Engineered key features from raw data to improve model accuracy and interpretability.

## Personalized Weather App

**Stack:** Python, JavaScript, HTML/CSS, REST API

- Developed a responsive web app that provides real-time, location-based weather forecasts.
- Integrated a third-party weather API for accurate current and multi-day forecast data.
- Created a clean, modern interface using JavaScript and CSS for a seamless user experience.

## Crop Disease Prediction

**Stack:** Python, TensorFlow, Keras, CNN, Streamlit

- Built a CNN model to identify crop diseases from leaf images with high accuracy.
- Developed a Streamlit-based interface allowing farmers to upload images and receive instant diagnoses.
- Improved performance through image augmentation and hyperparameter tuning.

## Financial Fraud Detection System

**Stack:** Python, Scikit-learn, Pandas, Matplotlib

- Created a machine learning classifier to detect fraudulent transactions with high precision.
- Optimized the model for real-time processing of large-scale transaction datasets.
- Visualized fraud trends and patterns to support risk mitigation and decision-making.

## Full-Stack MERN To-Do List

**Stack:** React.js, Node.js, Express.js, MongoDB, JWT

- Developed a full-stack to-do application with secure login and task management features.
- Implemented RESTful APIs with JWT-based authentication and role-based access control.
- Designed a mobile-responsive dashboard for seamless user interaction across devices.

## Personal Portfolio Website

**Stack:** React.js, Tailwind CSS, HTML5, Vercel

- Built and deployed a fully responsive personal website to showcase projects and skills.
- Focused on performance optimization for fast load times and smooth user experience.
- Applied modern UI/UX design principles to effectively present professional background.

## Nifty Invest & M-Zone Health (In Progress)

- Currently building Nifty Invest, a full-stack financial portfolio tracker, and M-Zone Health, a health and wellness platform.
- Focused on scalable architecture, secure user flows, and data-driven features.

## TECHNICAL SKILLS

- **Programming Languages:** Python, Java, C++, SQL, Bash
- **Data Analysis & Visualization:** NumPy, Pandas, Matplotlib
- **Machine Learning:** Scikit-learn
- **Cloud Computing:** Amazon Web Services (AWS)
- **Notebook Environments:** Jupyter Notebook, Google Colab
- **Development Tools:** Visual Studio Code (VS Code), Canva
- **Database Management:** MySQL

## ACTIVITIES

- Automobile enthusiast, deep admirer of the Dodge Challenger SRT, and motorsports design
- Creative mind – Loves sketching, UI/UX design, and visual storytelling.
- Tech communicator – Passionate about simplifying concepts, mentoring peers

## ACCOMPLISHMENTS

- Winner – IEEE and LINPACK Hackathons ( winner)
- Best Design Showcase – SDC Internal Sprint (2024)
- Acknowledged by faculty and mentors for innovation in ML projects and rapid learning capabilities
- Working at Nifty Invest as WEB DEVELOPER Intern , gaining hands on experience with industry level projects.

## SOFT SKILLS

- Leadership
- Event Management
- Technical writing
- Collaboration

## WEBSITES

- <https://github.com/OjusGupta>
- <https://leetcode.com/u/4D7JkgXILI/>

## LANGUAGES

- Hindi: Proficient
- English: Proficient