Aditya Raj Verma

adityarajv473@gmail.com | +91 9838892549 | Portfolio | LinkedIn | Github | Leetcode

Education

Indian Institute of Information Technology (IIIT) Kota   **Aug 2021 – May 2025**
B.Tech in Computer Science and Engineering

Nagaji Saraswati Vidya Mandir, Ballia | 12th   **Mar 2018 – Mar 2020**
- Percentage: 92.2%

Technical Skills

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

Technologies/Frameworks : DevOps, MySQL, React JS, Node JS, Express JS, Power BI

Developer Tools : Git, GitHub, AWS, VS Code, Postman

Machine Learning & Deep Learning : Numpy, Pandas, Matplotlib, Scikit-Learn, OpenCV, CNN, MediaPipe

Projects

Movie Recommender System   **June 2023**
- Created and executed a collaborative filtering algorithm to suggest films based on past choices and actions of like-minded users.
- Utilized user-item interaction data to identify patterns and generate personalized recommendations.
- Tools Used: Python, Machine Learning, Numpy, Pandas, Matplotlib, Netlify

Crypto Web Application   **June 2024**
- Built a cryptocurrency web application featuring live price tracking, market analysis, and crypto news integration using RESTful APIs, Redux, and React.
- Implemented interactive charts and statistical displays using libraries such as Chart.js and Ant Design, allowing users to monitor trends and perform real-time data analysis on various cryptocurrencies.
- Tools Used: React.js, React Query, Ant Design, Crypto News Api, Coinranking Api

Sign Language Detection   **December 2024**
- Developed a real-time hand gesture recognition system for sign language interpretation.
- Leveraged MediaPipe for precise hand landmark detection and implemented a Random Forest Classifier to accurately predict 27 sign language characters.
- Tools Used: OpenCV, Python, Machine Learning, Deep Learning

IPL Analysis   **March 2022**
- Developed and implemented ML models to analyze IPL match outcomes, top players, and match results based on toss decisions.
- Tools Used: Python, Tableau, Machine Learning, Numpy, Pandas

Position of Responsibility

Event Manager of Free Fire | Clutch IIITK   **Aug 2022 – Aug 2023**
- Successfully executed multiple events, including "Summit League," and "Ignition," fostering a vibrant gaming community within the institution as a core member of the club

Achievements

Postman API Fundamentals Student Expert: Successfully earned the **Postman API Fundamentals** badge, demonstrating a solid understanding of API concepts, testing, and collaboration using Postman.

Microsoft Azure Fundamentals: Earned the Microsoft Azure Fundamentals badge, highlighting knowledge of core Azure services, cloud concepts, and best practices.

Introduction to Cyber Security: Achieved the Cyber Security Fundamentals certificate, highlighting proficiency in essential cybersecurity principles and practices.

Social Summer of Code: Chosen as a Contributor for the Social Summer of Code.