

Aarav Rajput

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About me

A highly motivated and exploration oriented programmer with a passion for researching new technologies and experimenting with them to craft creative solutions to real world problems

Personal

Nationality: Indian
DoB: 19th February 2003

Areas of specialization

Data Analysis
Data Visualization
Node API Development
MERN

Interests

Data Science
Machine Learning
ML pipelining

Hobbies

3D Modelling
Video Editing
Guitar
Gym

EXPERIENCE

- 2023-24 **Team Lead**
DATA SCIENCE CLUB · VIT Bhopal
Led a small team of developers on various projects. Deployed and managed the club's official website. Collaborated with cross functional teams to deliver on the club's various needs. Mentored members through frequent code reviews, workshops and on-line events.
- 2021-22 **Freelance**
WEB DEVELOPER · Upwork
Utilised MERN stack to create professional webapps. Performed code updates to clients' websites. Implemented SEO to enhance clients' traffic statistics.

PROJECTS

- 2024-24 **Attack-ml**
Developed pre-processing module for the ML pipeline. Experimented with various data analysis techniques on real time network traffic data. Encoding techniques like OHE improved the model's performance by 78% on the raw network packet data.
- 2023-24 **Power Transformer Reliability**
Applied Exploratory Data Analysis on the dataset. Created visualizations highlighting key features of the dataset. Made API endpoints for using the model with a webapp.

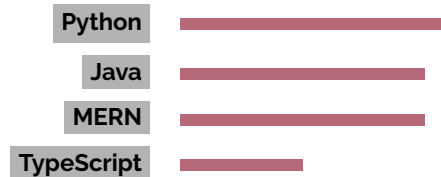
EDUCATION

- 2021-26 **Integrated M.Tech.**
VELLORE INSTITUTE OF TECHNOLOGY · Bhopal
CGPA : 7.8
- 2019-21 **Secondary and Higher Secondary School Diploma**
NEW ERA PUBLIC SCHOOL · New Delhi
CGPA : 8.5

CERTIFICATIONS

- 2024 IBM ML Professional Certification

TECH SKILLS



PUBLICATIONS

- 2024 Conference paper titled: *Enhancing Power Transformer Reliability with Machine Learning-Based Fault Detection and Data Analysis*

LANGUAGES

Hindi		native
English	C1	★ ★ ★ ★ ★
Deutsch	A1	★ ☆ ☆ ☆ ☆