# Punya Saraogi

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## EDUCATION

**VIT Bhopal University** *(Bhopal, MP)*                                                                          **(June 2021 - July 2025)**
*B.Tech in Computer Science and Engineering*
With **8.75** - CGPA, Studied Mathematics, Statistics, Databases, Machine Learning, Computer Vision

## PROJECTS

### Vrinda-Store-Sales-Analysis Interactive Dashboard:                                                         **(2024)**

- Created a 2022 sales report for Vrinda Store to understand customer behavior and improve sales strategies for 2023.
- Analyzed KPIs like sales comparison, top sales month, gender-based purchases, top states, and sales channels.
- Insights: Women ( 65 percent) aged 30-49 from Maharashtra, Karnataka, and UP are key. Focus ads on Amazon, Flipkart, and Myntra

### Heart Attack Prediction Website using ML:                                                                  **(2023)**

- Engineered a predictive model for heart attack risk using data analytics, achieving a 75% accuracy rate.
- Leveraged Python with Scikit-learn and TensorFlow for data preprocessing, feature selection, and model training.
- Developed a real-time prediction web interface with Flask, enhancing accessibility and usability

### Covid-19  Analysis and Prediction:                                                                         **(2022)**

- Examined the Covid-19 situation in India and globally across 10 chapters, leveraging insights from 7 comprehensive datasets
- Conducted comparative analysis of Covid-19 testing rates in 15 countries, assessing efficiency and coverage based on per capita testing rates and positivity rates.
- Investigated Covid-19 data across 28 states and 8 union territories in India to identify regional trends in infection rates and healthcare capacity.
- Created comprehensive reports with data visualization tools, showcasing infection rate trends; supported public health strategies that led to a 30% reduction in disease spread across targeted regions in 6 months.

## SKILLS

Machine Learning, Data Analysis, Python, Excel, SQL

## WORK EXPERIENCE

**SpatioWorld**                                                                                  **(July 2024 – August 2024 )**
*Geographic Information System Intern.*

- Launched a blockchain-based system for secure property transactions, cutting costs by 30% and boosting securityby 50%.
- Designed an intuitive GIS interface using ArcGIS and Leaflet.js, elevating user satisfaction by 30% and enhancing productivity by 20%.
- Implemented automated contract execution using Solidity, reducing transaction processing time by 40% and ensuring transparency.

**Omdena**                                                                                       **(October 2022 – Feb 2023)**
*Team Member.*

- Championed the completion of a machine learning project, enhancing data validation tasks and optimizing models,

resulting in a 40% increase in prediction accuracy and 25% reduction in processing time.
- Orchestrated a data-driven research project utilizing advanced analytics tools, crafting 6+ interactive dashboards that enhanced decision-making processes and generated key insights for strategic decisions.
- Directed focused upskilling initiatives in Mathematics & Statistics, Research, GIS Technology, and YOLO Models.

## CERTIFICATIONS

BITS and BYTES of Computer Networks (Coursera, **Dec 2022),** Cloud Computing (NPTEL **,Jan 2024)**

## LEADERSHIP AND VOLUNTEER EXPERIENCE

- **Organized a 6-hour Hackathon**: Successfully organised a large-scale hackathon with 500 participants, managing logistics, communication, and participant engagement to ensure a smooth and impactful event.
- **Engagement and Outreach**: Engaged with over 20 industry professionals and guest speakers to enhance the learning experience of club members..
- **Collaboration and Teamwork**:Led a team of 15 members, ensuring smooth execution of events and effective communication among all stakeholders.
- Directed focused upskilling initiatives in Mathematics & Statistics, Research, GIS Technology, and YOLO Models.