Prasannajeet Ojha

B.Tech - Computer Science and Engineering
Specialised in Health Informatics
VIT Bhopal University, Sehore

+91-9078014242
ojha6094@gmail.com
Github | Website | linkedin

EDUCATION

Degree/Certificate	Institute/Board	Year
B.Tech	VIT Bhopal University	2022-Present
12th	Young Phoenix Public School	2022
10th	Mothers Public School	2020

PROJECTS

- **Diabetes Retinopathy Detection** *Aug. 2023 - Oct. 2023*
  Deep Learning
  - One in six people in the world with diabetes is from India
  - Employed transfer learning with EfficientNet B4 and Trained on Aptos public dataset
  - Project strengthened my interest in applying DL to healthcare, motivating me to explore further opportunities in medical sector.

- **Road Accident Analysis** *Mar. 2024 - May. 2024*
  Data Analysis
  - Addressed the issue of road traffic crashes, which claim 1.19 million lives annually and cost countries 3% of their GDP.
  - Incorporated Dynamic Filtering and KPIs and Created an interactive Tableau dashboard
  - Gained leadership experience managing research and ML sub-teams, and contributed to societal safety

- **Covid 19 Analysis** *Oct. 2023 - Jan. 2024*
  SQL
  - The pandemic affected over 200 countries, resulting in millions of cases and significant socioeconomic disruptions
  - Analyzed and Documented findings and insights focusing on key metrics such as infection rates, mortality rates, and vaccination progress
  - Highlighted the need for timely and accurate information during global health crises

SKILLS

- **Programming**: C/C++, Java*
- **Data Analysis**: MS Excel, SQL, Tableau, Python
- **Web Development and UI/UX**: HTML, CSS, Javascript, Tailwind, Figma
- **Non Technical**: Jira, Notion, SurveyMonkey
- **Certifications**: Customer Analytics, Figma Design Course, Intro to Front-End, Applied Machine Learning

POSITIONS OF RESPONSIBILITY

- **Student Ambassador**, State Representative *August. 2023 - Present*
  - Empowered 90%+ Odia freshmen at University to adapt smoothly through personalized support
  - Facilitated online sessions in Odia for parents, bridging the gap between home & university life

- **Google DSC**, Design Lead *Nov. 2022 - July. 2023*
  - Designed over 30+ posts, stories, certificates, passes, and promotional videos, enhancing event engagement and visibility for Advitya and Winterfest.
  - Produced the highest views-to-likes ratio video on the GDSC's social media page
  - Managed logistics and booth sales selling 120+ passes

ACHIEVEMENTS

- **2nd runners up**, Financial Fraud Detection, National Level Rajasthan Police Hackathon, RACCAM *2024*
- **1st runners up**, Line Following Robo Race, **fastest** track completion time, Advitya *2024*
- **Accepted**, into Buildspace Nights & Weekends Season 5 (competitive program for creators & innovators) *2024*

PUBLICATIONS

- **A SMART WINDOW SYSTEM AND METHOD FOR DYNAMIC SOLAR ENERGY CONTROL** *Mar. 2024 - May. 2024*
  Patent
  - *Traditional windows* contributes to 30% of heat-related energy use and up to 50% of energy waste and energy consumption rising 0.7% annually.
  - Learned to innovate sustainable solutions, contributing to global energy conservation and enhancing building efficiency