

PRATEEK KUMAR

Satna, Madhya Pradesh

+91 7898853505 prateekk02.kumar@gmail.com [linkedin.com/in/prateekk02](https://www.linkedin.com/in/prateekk02)

Technical Skills

- Languages and Tools: C++, Python, SQL, JavaScript, TypeScript, GIT, Github, Docker
- Frameworks and Libraries: ReactJS, Redux, Recoil, ExpressJS, HonoJS, NodeJS, NextJS, Flask-RESTful, Django, PrismaORM, Pandas, NumPy, Matplotlib, Tensorflow, Scikit-learn, Streamlit
- Databases and Tools: MongoDB, MySQL, PostgreSQL
- Services: AWS EC2, Vercel, Render, Cloudflare, NGINX

Projects

Holocron - A Blogging Website — Source Code — *TypeScript, ReactJS, HonoJS, Cloudflare, Prisma ORM, PostgreSQL*

- Developed **Holocron**, a Medium-inspired blogging platform where users can create, edit, like and comment on articles. Built with a scalable, serverless architecture on **Cloudflare** for high availability and performance.
- Integrated **JWT-based authentication** and **Zod Validation** for secure access control and utilized **Prisma ORM** with **PostgreSQL** for efficient data management.
- Designed a responsive interface with **ReactJS Vite** and **Tailwind** for a seamless user experience, supporting dynamic content and optimized performance on a serverless environment.

End-to-End Twitter Depression Prediction System — Source Code — *Flask-RESTful, Selenium, ReactJS, spaCy, Scikit-learn*

- Built an end-to-end application with **ReactJS** for the frontend and **spaCy** and **Scikit-Learn** libraries to create an NLP model from scratch, achieving **70% accuracy**.
- Developed **Flask RESTful** APIs for model integration, facilitating seamless interaction between the frontend and backend.
- Employed **Selenium** to scrape data from Twitter user profiles, enhancing dataset quality for analysis.

End to End Diamond Price Prediction System — Source Code — Live Code — *Python, Streamlit, Tensorflow, Scikit Learn*

- Conducted comprehensive data analysis and cleaning on a gemstone dataset with **26,000+** records, ensuring data quality and accuracy using efficient **pipelining** techniques with **Pandas, NumPy, Matplotlib**, and **Seaborn**.
- Created an interactive user interface using **Streamlit** for seamless deployment, enabling easy access to diamond price predictions for users.
- Developed and optimized machine learning and deep learning models, achieving **96%** accuracy in predicting diamond prices, evaluated using **R² score, MAE**, and **MSE** metrics.

Education

Lakshmi Narain College of Technology, Bhopal

Bachelor of Technology in Computer Science and Engineering (CGPA: 8.63)

Aug 2021 – Jul 2025

Madhya Pradesh, India

St. Michael's Hr. Sec. School, Satna

12th Grade (82.4%)

May 2020

Madhya Pradesh, India

Achievements

- Secured a position in the top **5%** merit list for NPTEL Discrete Mathematics Course by IIT Ropar. **Link**
- Secured an All India Rank (AIR) of **6339** in GATE - Data Science and Artificial Intelligence examination 2024. **Link**.

Profile Links

- Leetcode: codeWalker66
- Github: Prateekk02
- Kaggle: Prateekk02