

PRATHMESH KUMAR OJHA

Engineering Student

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SUMMARY

Enthusiastic and dedicated Computer Science student with a focus on web development and AI/ML. Currently pursuing a B.Tech Degree at BML Munjal University, Gurugram, India. Intermediate proficiency in HTML, CSS and JavaScript. Basic understanding of AI/ML concepts, eager to contribute analytical and problem-solving skills to innovative projects. Adept at collaborating in interdisciplinary teams with great communication skills.

SKILLS

- Intermediate Python proficiency, emphasizing logic building and optimization.
- Skilled in developing GUI applications using Python Tkinter framework.
- Fundamental understanding of C++ programming concepts.
- Strong HTML and CSS skills for web design and structuring.
- Intermediate proficiency in JavaScript concepts while actively improving.
- Foundational knowledge of React.js and recently started learning Express.js.

EDUCATION

BML Munjal University, Gurugram, India

Bachelor's Degree in Computer Science And Engineering
Current GPA : 7.75 (2023 – Present)

Sharda International School, Gurugram, India

XII (CBSE) (2021-22)

EXPERIENCE

SIH'23 Internal Round | Project Lead (Sep 2023)

ASADWI: AquaSense - AI Driven Well Insights

- Led development of a spatial analysis tool for water quality and geology using ML models, managing Python scripts and a Flask web interface to demonstrate AI's environmental applications.

SIH'24 Internal Round | Project Lead (Sep 2024)

- Led the development of a reinforcement learning-based ML model for an autopilot system similar to Tesla's. While the full implementation wasn't completed, the process provided valuable learning experiences.

PROJECT

ASADWI - AquaSense AI-Driven Well Insights

- ASADWI is an AI-based application for analyzing water quality, geology, and lithology. Leveraging machine learning to improve prediction accuracy, this project includes a user-friendly interface and fosters collaborative contributions for data and UI/UX improvements.

Beat.it - Your Ultimate Music Player

- Beat.it is a full-stack music player app for enthusiasts, featuring a seamless UI, dynamic JavaScript content, and personalized playlists. Built with Node.js, Express, and a normalized MongoDB database, it ensures secure data management, responsive performance, and an intuitive music discovery experience.

POSITION OF RESPONSIBILTIES

Technical Team Executive | HackBMU 6.0

- Developed and launched the official website, 'hackbmu.in', boosting event attendance.
- Ensured seamless functionality and a positive user experience.

Organizing Committee Member | SIH'24

- Volunteering in the Judges and PR team for Smart India Hackathon 2024.
- Assisting in event coordination under the ACM Club at BML Munjal University.

ADDITIONAL SKILLS

- LeetCode Practice: Solve coding questions on LeetCode, sharing solutions and methods on LinkedIn and X to build technical skills and visibility.