KRISH MONGA

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SUMMARY

Second-year BTech student at Jaypee University of Information and Technology with expertise in **MERN stack, Python, and Data Structures & Algorithms (DSA).** Proven experience in building scalable web applications (e.g., Outpass Management System) and innovative projects (e.g., Trees as Natural Turbine for renewable energy). Passionate about leveraging technology to solve real-world problems and contribute to policy-driven solutions. Seeking **technical internships** and **policy-related opportunities** to apply my skills in coding, problem-solving, and data-driven decision-making

EDUCATION

Bachelor of technology in computer science   Graduating Aug 2027

Jaypee University of Information and Technology, Waknaghat   8.21 GPA

Class 12 Shiva International School, Ghumarwin, H.P Marks: 79.2%
Class 10 Shiva International School, Ghumarwin, H.P Marks: 93.42 %

TECHNICAL SKILLS

Programming Languages: Python, C++
Web Development: MERN Stack (MongoDB, Express.js, React, Node.js), Django, HTML, CSS, JavaScript
Database Management: MySQL, MongoDB
Tools & Platforms: Git, GitHub, Postman
Soft Skills: Communication, Teamwork, Problem-Solving, Leadership, Time Management, Adaptability, Decision-Making

ACADEMIC PROJECTS

1. Trees as Natural Turbine (Smart India Hackathon 2024)

Tech Stack: Python, IoT Devices

Description: Collaborated with a team to develop a renewable energy solution addressing Problem Statement 1530. Designed an energy-efficient system leveraging sustainable energy sources.

Key Achievements:

Qualified for the internal round of Smart India Hackathon 2024.

Focused on innovative and scalable energy solutions.

2. Outpass Management System

Tech Stack: Node.js, MySQL, Express.js, React

Description: Developed a web application to streamline the outpass request and approval process for students.

Key Features:

Secure login with role-based access for students and admins.

Built REST APIs for efficient communication between frontend and backend.

3. Virtual AI Assistant

Tech Stack: Python, Tkinter

Description: Created a GUI-based virtual assistant capable of performing tasks like web searches, sending emails, and opening applications using voice commands.

Key Features:

User-friendly interface for seamless interaction.

Robust error handling for smooth operations.

Achievements

- Secured Investment: Selected during **RIDEHACK Phase 3, 2024**, to receive an investment of **₹2.5 lakhs** for a startup developed at **JIIT Noida.**
- Smart India Hackathon 2024: Participated with the project Trees as Natural Turbine under the theme of Renewable/Sustainable Energy (qualified for internal round).
- IIT BHU Hackathon: Ranked among the Top 5 Teams in a hackathon at IIT BHU.

Extracurricular Activities

Active SIAM Member: Contributed to open-source projects, including building the official **SIAM JUIT** website