

RUCHI MISHRA

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Summary

Aspiring AI and Full-Stack Developer with a strong foundation in Python, Java, and web technologies, along with hands-on experience in building AI-powered applications and scalable web solutions. Skilled in Flask, React.js, Node.js, and database systems (MySQL, MongoDB). Passionate about creating innovative, efficient, and user-friendly solutions leveraging modern technologies and AI-driven insights.

Education

Banasthali Vidyapeeth <i>Bachelor of Technology - BTech - AI</i>	07/2023 – Present 8.54/10.0
Senior Secondary School Sharda Mandir Banasthali Vidyapeeth Rajasthan <i>Intermediate, (PCMG)</i>	07/2021 – 04/2023 85%
Senior Secondary School Sharda Mandir Banasthali Vidyapeeth Rajasthan <i>Matriculation</i>	04/2018 – 06/2021 95%

Relevant Coursework

- Data Structures
- Algorithms Analysis
- Database Management Systems
- Artificial Intelligence
- Linear Algebra
- Computer Architecture
- Operating Systems

Projects

Correct Me! – AI-driven Language Correction <i>Flask, Git, GitHub, HTML, CSS, JS</i>	Jan 2021
<ul style="list-style-type: none">• Created an AI-powered tool for detecting spelling and contextual word errors with an adaptive UI.• Enabled multilingual support and instant error highlighting using visual cues.• Showcased the project during Banasthali's flagship event Mayukh Fest.	
AI Cost Optimization Advisor <i>React.js, Node.js, Express.js, MongoDB, OpenRouter API</i>	Jun 2025
<ul style="list-style-type: none">• Developed a platform to evaluate and minimize AI model expenditure for enterprises.• Integrated OpenRouter API for intelligent model recommendations.• Implemented Smart Recommendation and Cost Comparison features to enhance decision-making.• Engineered a secure backend with Express.js and MongoDB for data management.	

Technical Events

Hackverse Hackathon	Mar 2025
<i>Backend Developer – Gasless Economy on Aptos (Remote / India)</i>	
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<ul style="list-style-type: none">• Developed a gasless transaction system on the Aptos blockchain as part of a hackathon team project.• Implemented smart contracts using Move and handled blockchain integration via the Aptos SDK.• Built backend services with Node.js to support Web3 functionality and manage gasless transactions.• Gained hands-on experience in decentralized technologies, blockchain architecture, and smart contract development.• Collaborated with a cross-functional team under mentorship from Ayushi Bishnoi and Hitesh Bajaj.	

Technical Skills

- **Languages:** Python, Java, C, HTML/CSS, JavaScript, SQL,
- **Technologies/Frameworks:** Linux, Flask, Pandas
- **Database Tools:** MySQL, MongoDB (basics)
- **Tools & Platforms:** Git, GitHub, MATLAB, VS Code, Jupyter Notebook
- **Operating Systems:** Windows, Ubuntu (Linux)