

YASHI JAIN

✉ yashi2212.jain@gmail.com ☎ 6350202035 📍 Alwar, Rajasthan, India

🔗 <https://yashi-portfolio-iota.vercel.app> 🔗 [linkedin.com/in/yashijain22](https://www.linkedin.com/in/yashijain22) 🐙 github.com/yashijain22

About Me

Python Backend Developer experienced in building secure, scalable web applications using FastAPI, Flask, and SQLAlchemy. Strong in REST architecture, JWT authentication, OTP systems, and database optimization. Skilled at writing efficient, maintainable code while enhancing backend performance through structured design principles.

Internship

Python Developer, Oasis Infobyte Internship 06/2024 – 07/2024
Delhi

- Designed Python applications focused on efficiency and problem-solving.
- Built a BMI Calculator with input validation and accurate categorization, a customizable Password Generator for enhanced security, and an interactive Number Guessing Game using randomization and loops.
- Worked in an agile environment, gaining hands-on experience with Git, collaboration, and coding best practices.

Education

Master of Business Administration (MBA), Amity University Online 2026 – Present
Noida, Uttar Pradesh

Bachelor of Technology (B.Tech), DIT University 2021 – 2025
Dehradun, Uttarakhand

Senior Secondary Education, Adinath Public School 2020 – 2021
Alwar, Rajasthan

Secondary Education, Chinar Public School 2018 – 2019
Alwar, Rajasthan

Skills

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|-------------------------------|---|
| • Python | • SQL |
| • Object-Oriented Programming | • Flask |
| • API Integration | • Back-End Frameworks (E.G., Node.Js, Django) |
| • Data Visualization | • React |
| • Bootstrap | • Git |
| • Natural Language Processing | • Machine Learning |
| • Artificial Intelligence | • Data Structures and Algorithms |
| • Backend Development | • Communication Skills |

Projects

AI Exam Proctoring System

01/2026 – 02/2026

Designed and developed a modular AI-based Exam Proctoring System integrating computer vision and event-driven monitoring. Implemented face detection, head pose estimation, gaze tracking, phone detection (YOLO), and multi-face analysis using Python and OpenCV. Built a unified suspicion scoring engine with structured logging and audit reports. Architected scalable backend supporting web-based tab monitoring and desktop-level application tracking integration.

AI Personal Finance Assistant

12/2025 – 01/2026

Designed and developed a full-stack finance management web application using Flask, SQLite, and SQLAlchemy. Implemented secure authentication, transaction tracking, dashboard analytics, and AI-driven financial insights. Built interactive charts using Chart.js to visualize spending trends and category breakdowns. Integrated modular utilities for validation, hashing, and financial calculations, enabling scalable architecture and intelligent expense analysis.

Elysia - AI Powered Chatbot

10/2025 – 12/2025

Developed a scalable AI-powered chatbot using FastAPI and SQLAlchemy with JWT-based authentication and OTP password reset. Designed REST APIs for chat history and AI responses, integrated OpenAI models, and implemented asynchronous programming to optimize performance and reduce response time.

Job Recommendation System

01/2025 – 05/2025

Developed and integrated the backend of a Job Recommendation System using Python, enabling real-time job suggestions based on user preferences. Designed APIs for seamless frontend integration and optimized data processing to deliver accurate, real-world job recommendations efficiently.

Password Generator Web Application

03/2025 – 04/2025

Developed a secure Password Generator web application using Flask and SQLite, implementing user authentication and OTP-based password reset functionality. Designed backend logic for customizable password generation and strengthened security through validation and encrypted data handling.