

Shivam Kushwaha

+91-748-912-1699 | shivam.kushwaha_eng@proton.me | LinkedIn | GitHub
Backend Developer — Python/Django — Backend Workflows & API Integration

EDUCATION

Gyan Ganga Institute Of Technology and Science

Jabalpur, MP

Bachelor of Technology in Computer Science (Expected 2026)

- Relevant Coursework: Data Structures & Algorithms, Computer Networking, OOPM, Database Management Systems, Operating Systems

EXPERIENCE

AI Foundations Intern (Virtual)

Apr 2025 – May 2025

Microsoft (in collaboration with AICTE & Edunet Foundation)

- Completed Microsoft's 4-week AI Foundations program with 800+ participants.
- Built Python scripts and small pipelines to process sample datasets and interact with APIs.
- Practiced REST API integration, backend workflow simulation, and basic model inference in Python.

PROJECTS

Notespark | Python, Django, Gemini API, Bootstrap, SQLite [GitHub]

- Developed backend API endpoints for dynamic note generation, integrating with Gemini API securely.
- Implemented JWT-based authentication and encrypted storage for user data.
- Built a Markdown-to-HTML rendering pipeline with template filters to prevent security vulnerabilities.

RAG-Powered Document Search Engine | LangChain, Gemini API, Pinecone, AWS S3 [GitHub]

- Designed backend workflow integrating Pinecone vector DB for fast semantic search.
- Automated pipelines for document ingestion, embedding, and query processing using AWS S3 and Python.
- Exposed REST API endpoints for frontend clients to securely retrieve search results.

TECHNICAL SKILLS

Languages: Python (Proficient), C++, JavaScript, SQL

Frameworks & Libraries: Django, FastAPI, Pandas, NumPy, LangChain

Databases: MySQL, MongoDB, Pinecone

Cloud & Tools: AWS, Docker, Git, VS Code, REST APIs

Certifications: Cisco Python Essentials, Oracle DB Foundations, AWS GenAI Foundations

Competitive Programming: Solved 500+ problems on LeetCode, CodeChef, and Codeforces

LEADERSHIP & EXTRACURRICULAR

Open Source Contributor

Oct 2025

Hacktoberfest, GitHub

- Contributed verified DSA solutions and documentation to educational open-source repositories.

Event Coordinator, College Esports Tournament

2023–2024

Gyan Ganga Institute

- Managed logistics and operations for 100+ participants.

IDE Bootcamp Participant

2024

AICTE, Ministry of Education

Lucknow, UP

- Selected among 500+ students for a national bootcamp on design thinking and product ideation.