

Lakshay Sharma

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Backend Developer (B.Tech IT) with expertise in Python, APIs, and cloud platforms; passionate about scalable system design. Currently learning Japanese (JLPT N3 target – Dec 2025) to build a long-term tech career in Japan's innovative ecosystem.

Technical Skills

Languages & Databases: Python, C/C++, SQL, Pandas, JavaScript, MongoDB, FastAPI, Flask

Cloud & DevOps: AWS, Azure, Git/GitHub, CI/CD

AI & Tools: Generative AI, Prompt Engineering, OpenAI Assistant API, Microsoft Azure Assistant API

Education

Jaypee Institute of Information Technology

Bachelor of Technology in Computer Science – 6.2 CGPA

Sep 2022 – Sep 2026(Expected)

Noida, Uttar Pradesh

Bal Bharati Public School

10th Board CBSE – 72%

2019 – 2020

Brij Vihar, Ghaziabad

Vivek Anand School

12th Board CBSE – 80%

2021 – 2022

Anand Vihar, Delhi

Experience

ABSAX Technologies Pvt. Ltd. [\[Completion letter\]](#)

June 2023 – August 2023

Backend Developer Intern

Noida, India

- **Two-Factor Authentication (2FA):** Strengthened the **Two-Factor Authentication (2FA)** system, increasing security measures by **43%** with advanced cryptographic techniques and rigorous testing.
- **User Authentication System (UAS):** Enhanced the **User Authentication System (UAS)**, reducing login time by **52%** through optimized backend processes and streamlined system workflows.

Tryzantt Pvt. Ltd. [\[Completion letter\]](#)

June 2024 – April 2025

AI-ML Developer/Full Stack Developer - (Intern)

Delhi, India

- Built AI-driven modules using LLMs like GPT-3.5, improving automation output accuracy by **35%**.
- Developed and integrated 5+ REST APIs, reducing manual processing time by **40%** in core applications.
- Spearheaded backend optimization, reducing API response time by 27%.

Projects

AI Powered Test Paper Generator: [Click Here](#)

- Developed a platform for teachers to generate custom test papers using AI-driven question selection. Reduced manual effort by ~60%, improving test creation time.
- **Tech Stack:** FastAPI, MongoDB, AWS, Web Development, AI.

AI Powered Customer Care Chatbot: [Click Here](#)

- Built a no-code chatbot builder that enables seamless integration via iframe or API. Enhanced user experience with customizable AI agents, adopted by 10+ early-stage users.
- **Tech Stack:** AI, MongoDB, FastAPI, AWS.

NeuraMail: AI Email Assist:[In Production]

- Developed a web application that extracts customer queries from emails and automates replies using AI. Designed REST APIs for processing emails and generating responses.
- **Tech Stack:** FastAPI, MongoDB, Python, SMTP.

AI Agents Portal: [Click Here](#)

- Engineered a credits-based platform hosting AI agents for end-user testing and experimentation. Enabled easy access and usage tracking via dynamic UI.
- **Tech Stack:** Python, FastAPI, MongoDB, AWS.

Awards and Certificates

- Python Certification from Kaggle
- Cloud Computing from Google Developer Student Club