

Aditya Pratap Singh

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PERSONAL SUMMARY

Aspiring Software Development Engineer with strong foundations in **Data Structures, Algorithms, OOP, and Artificial Intelligence**. Experienced in building **scalable APIs** and AI-powered applications using **Python, java, FastAPI, and modern web technologies**.

EDUCATION

2023 - 2027	B.Tech in Computer Science at Babu Banarasi Das University, Lucknow	(GPA: 8.49/10.0)
2022	Class 12th CBSE Siddhant World School, Lucknow	(77%)
2020	Class 10th CBSE Sacred Heart Convent School, Obra	(80%)

SKILLS

Programming Languages: Java, Python, SQL, JavaScript
Frontend Technologies: HTML, CSS
Machine Learning & Data Analysis: NumPy, Pandas, Matplotlib, Seaborn
Databases: PostgreSQL
Tools: GitHub, Postman, Git, Jupyter Notebook

PROJECTS

AI Voice Assistant

[Source Code](#)

Tech Stack: Python, Speech Recognition, OpenCV, REST APIs, ADB (Mobile Automation)

- Developed an **AI voice assistant** to execute commands using speech recognition and **chatbot APIs**.
- Integrated mobile automation (ADB)** to perform tasks like calling and messaging via phone.
- Implemented **face authentication** using OpenCV and enabled **web search** using APIs.

Portfolio

[Source Code -Live](#)

Techstack: HTML, CSS, JavaScript.

- Built a **responsive portfolio website** using HTML, CSS, and JavaScript to showcase projects and technical skills.
- Focused on **clean UI/UX, performance optimization, and cross-browser compatibility**, deployed as a live project.

Full-Stack Product Management System

[Source Code](#)

Techstack: FastAPI, Python, PostgreSQL, REST APIs, HTML, CSS, JavaScript, Swagger.

- Built a **full-stack product management system** using FastAPI and PostgreSQL with RESTful APIs for efficient data handling.
- Implemented **secure authentication and role-based access control**, documented APIs using Swagger, and deployed as a live project.

ACHIEVEMENTS

- played **district-level cricket** and led the team as **Captain**, showcasing leadership, strategic thinking, and team coordination.
- Actively practiced **Data Structures and Algorithms**, strengthening **problem-solving skills** through regular coding challenges and algorithmic exercises.