

Arpit Srivastava

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Professional Summary

Aspiring Software Developer with a solid foundation in backend and full-stack development, skilled in problem-solving through competitive programming and Data Structures. Passionate about creating impactful web applications, currently diving into AI and expanding knowledge in advanced algorithms to drive innovation.

Education

Dr. APJ Abdul Kalam Technical University, Lucknow

Oct 2021 – June 2025

- Bachelor's of Technology in Computer Science and Artificial Intelligence
- **Coursework:** Data Structures, Operating System, DBMS, Cloud Computing

Experience

Software Engineer Intern, Newgen Software – Noida, Uttar Pradesh

June 2024 – Present

- Created a highly interactive chatbot using **Python** and **Streamlit**, seamlessly integrated with **Gemini's API** to retrieve real-time data with over 95% accuracy.
- Designed an intuitive user interface that significantly enhanced user experience, resulting in user satisfaction rates exceeding 85%, and implemented advanced **Natural Language Processing (NLP)** techniques to ensure accurate responses to over 90% of user queries.
- Applied **CRUD (Create, Read, Update, Delete)** operations, allowing for quick management of tasks and ensuring real-time updates for users through WebSocket integration, handling up to **1,000 concurrent users** without performance degradation.
- Incorporated **MySQL** for secure and efficient data storage, achieving data retrieval times of under 200 milliseconds, and rigorously tested APIs using **Postman** to guarantee seamless interaction between the front end and back end for hundreds of tasks.

Projects

TaskTrail | [LINK](#)

- Built a full-stack Todo App using **React** for the front end and **Spring Boot** for the back end, with complete **CRUD** functionality.
- Integrated **MySQL** for data storage and tested the application with **Postman**.
- Tech Stack Used: React, Spring Boot, Postman, MySQL,

Convo Bot | [LINK](#)

- Created an interactive chatbot using **Python** and **Streamlit**, integrating **Gemini's API** for real-time data handling.
- Applied **API integration** for precise data retrieval and utilized **NLP** techniques to enhance response relevance and accuracy.
- Tech Stack Used: Python, Streamlit, API Integration

Portfolio Website | [LINK](#)

- Designed and developed a responsive portfolio website using Frontend Development Skills to showcase projects and skills.
- Tools Used: HTML, CSS, Javascript, Bootstrap

Skills

Languages: C++, Python, Java, Javascript, SQL

Technologies/Frameworks: React.js, Node.js, Spring Boot, Django, Git, Postman, MySQL

Softskills: Communication, Problem Solving, Collaboration, Time Management