Aditya Srivastava

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Education

Arya College of Engineering and I.T. (Affiliated to Rajasthan Technical University) — Jaipur, Rajasthan
Bachelor of Technology, Electronics and Communication — 2021 - 2025

Jayshree Periwal High School — Jaipur, Rajasthan
School

Experience

Jaipur Metro Rail Corporation Ltd. (JMRC) — Jaipur, Rajasthan
Internship/Training — 07/2023 - 09/2023
- Worked in various departments of Telecoms and signaling
- Gaining hands on experience under the team in the fields of ATS, ATO, ATP

Technoloader Pvt. Ltd. — Jaipur, Rajasthan
Python Developer Trainee — 07/2024 - 08/2024
- Worked as a Python Developer Intern, gaining hands-on experience in developing real-world applications and scripts using Python.
- Collaborated with a team to design, build, and test scalable modules using libraries such as Pandas, NumPy.
- Developed and optimized Python code for tasks such as data processing.

Sarv.com — Jaipur, Rajasthan
Software Developer Intern — 10/2025 - Present
- Contributing to backend development and API integration using Python and Dockerized environments.
- Learning and implementing Elasticsearch for fast and scalable data search and indexing.
- Exploring vector embeddings to enable semantic and AI-powered search capabilities.

Skills

- **Programming & Development:** Python, FastAPI, Django, SQL, HTML, CSS, JS
- **Tools & Platforms:** Git, GitHub, Docker, VS Code, Jupyter Notebook, Elasticsearch, Redis
- **Concepts:** REST APIs, Cloud Computing Basics, Version Control
- **Soft Skills:** Problem solving, team collaboration, communication skills

Projects

E-commerce Web Application - TITAN(Django)
- Developed a full-stack e-commerce web application using Django, featuring user authentication, product listings, cart management, and order workflow.
- Implemented dynamic pages using Django templates, models, and views with clean URL routing and modular app structure.

Virtual Assitant
- Created a multi-tasking virtual assistant using Python, integrating OpenAI APIs for NLP-driven conversational abilities.
- Implemented features such as speech recognition, search automation, and task scheduling.

Smart Stick for the Visually Impaired
- Designed and built an assistive device using ultrasonic sensors to detect obstacles and alert users through a buzzer-based warning system.
- Implemented real-time distance measurement to ensure accurate detection of objects in front of the user.

Volunteer Role

- Volunteered at Cipher: The coding club, ACEIT Jaipur, contributing to events and community building
- Volunteer in various fests and sports events