Ayush Shukla

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Summary

Full Stack Developer with hands-on experience in building scalable web and cross-platform applications using React.js, Django, Flask, Flutter, and PostgreSQL. Skilled in REST API development, backend architecture, database management, and responsive UI design. Experience developing production-oriented systems during internships at MANIT and RDSO. Strong understanding of version control, deployment workflows, and integrating AI-driven features into applications.

Skills

- **Frontend:** HTML, CSS, JavaScript, React.js, Bootstrap, Responsive UI Design
- **Backend:** Django, Flask, REST APIs, Authentication, ORM, Server-Side Logic
- **Databases:** PostgreSQL, SQLite, Schema Design, Query Optimization
- **Programming Languages:** Python, C, Dart (Flutter)
- **Tools & Technologies:** Git, GitHub, VS Code, Streamlit, API Integration
- **Additional:** Full Stack Architecture, Debugging, Deployment (basic), UI/UX Principles

Projects

Portfolio Website – HTML, CSS, JavaScript
Developed a mobile-responsive personal portfolio showcasing skills, achievements, and project details. Implemented reusable UI components and optimized performance for faster loading.

Soil Suitability App and Website – Flutter, Django, PostgreSQL
Designed and implemented a full-stack soil analysis system for RDSO. Built Django REST APIs for calculations and data handling, structured PostgreSQL database schemas, and developed a Flutter frontend for real-time soil blanket thickness computation and graphical analysis.

AI Chatbot for Space Science Education – Python, Streamlit
Created a multilingual AI-based chatbot supporting speech recognition, text-to-speech, and image processing. Developed backend logic, integrated REST services, and deployed an interactive interface using Streamlit for educational use.

Experience

Summer Research Intern – Maulana Azad National Institute of Technology (MANIT), Bhopal   June 2025
Worked on an ISRO-related project involving AI-based educational tools. Developed Python backend modules, integrated model pipelines, and built prototype features for interactive space science learning.

Full Stack Intern – Research Development and Standard Organization (RDSO), Lucknow   Jul 2025 – Aug 2025
Developed a full-stack application using Django REST Framework and Flutter. Implemented soil calculation algorithms, managed database operations with PostgreSQL, tested API endpoints, and coordinated with Civil and Computer Engineering teams to deliver a functional engineering tool.

Education

Bachelor of Technology (Computer Science Engineering) – Babasaheb Bhimrao Ambedkar University, Lucknow   2022–2026
CGPA: 8.3/10 (till third year)

Senior Secondary (PCM) – Avadh Collegiate, Lucknow   2022
Percentage: 80%

Certificates

- RDSO Internship Certificate (2025)
- MANIT Internship Certificate (2025)
- AICTE and VOIS Blockchain Certification (2025)
- NSS Certificate – Government of India (2023)
- Accenture Data Analytics and Visualization (2024)