

ADITYA SHARMA

SOFTWARE ENGINEER | AI & VOICE TECH ENTHUSIAST

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PROFESSIONAL SUMMARY

Skilled in Python and C++, with hands-on experience building voice-based AI agents and LLM-powered chatbots. Passionate about Next-Gen GenAI and eager to contribute to Aguken AI by developing scalable voice solutions that enhance customer support.

PROFESSIONAL EXPERIENCE

Java Intern | Technos Center of Excellence Jaipur

2024

- Designed and implemented scalable backend modules using Java, enhancing application performance and reliability.
- Applied Object-Oriented Programming (OOP) principles to refactor legacy code, improving maintainability and reducing technical debt.

Python Intern | Zeetron Networks Pvt. Ltd. Jaipur

2023

- Developed robust automation scripts using Python, reducing manual testing time by 40%.
- Gained hands-on experience with Python libraries for data handling and backend logic.

SKILLS

- Languages:** Python (Expert), C++, Java, SQL.
- AI & GenAI:** Large Language Models (LLMs), Gemini API, NLP, Voice Recognition, Computer Vision, RAG.
- Web & Frameworks:** Streamlit, Django, Flask, HTML/CSS, JSON, REST APIs, FAST APIs.
- Testing:** Pytest, Boundary Testing, Functional Regression Integration
- Data & Tools:** Pandas, NumPy, Scikit-learn, Git/GitHub, VS Code, Postman, IoT Hardware.
- Core Concepts:** OOP, Data Structures & Algorithms (DSA), Code Optimization, Testing, Debugging, SLDC, System Design.
- Soft Skills:** Clarity of Thinking, Ownership Mindset, Adaptive, Technical Communication

PROJECTS

Voice-Controlled AI Assistant

Tech Stack: Python, C++, IoT, NLP, API

- Developing a comprehensive voice-controlled assistant capable of managing personal tasks and performing real-time actions via natural voice interaction.
- Implemented speech-to-text and text-to-speech engines to facilitate seamless two-way communication, similar to customer support agent workflows.
- Integrated C++ modules for low-level hardware control and efficient execution of voice commands.

Advanced CSV AI Predictor

Tech Stack: Python, Scikit-learn, XGBoost

- Created an AI platform that auto-detects data structures and trains predictive models with >90% accuracy, demonstrating strong analytical and data engineering skills.
- Automated data preprocessing including missing value handling, encoding, scaling, and target detection for structured and unstructured CSV datasets.
- Built an adaptive ML pipeline with dynamic model selection, cross-validation, and performance optimization using ensemble learning techniques.

EDUCATION

Bachelor of Technology (B.Tech)

2022 - Present

Poornima Institute of Engineering & Technology (RTU) Jaipur, Rajasthan | Percentage: 70%

ACHIEVEMENTS & CERTIFICATIONS

- **Winner:** IEEE YESIST12 2024 (JECRC) - AI Project.
- **Finalist:** IEEE YESIST12 2024 (Tunis Science City) - International recognition for AI innovation.
- **Certifications:**
 - **Software Engineer Role Certification** (HackerRank, 2025)
 - **Python** (Basic) & **Problem Solving** (Basic) (HackerRank, 2025)
- **Leadership:** Captain of Origin Club (Design & Tech), G20 Event Organizer Lead.