AARYAN RANDHAVE

(Student)

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Education

B.E. in Computer Engineering
Savitribai Phule Pune University (SPPU) |
2024 – T. E
Expected Graduation: 2026

Technical Skills

- **Programming Languages:** Python (Intermediate), C++ (Intermediate), Java (Intermediate), JavaScript, HTML, CSS
- **Technologies & Tools:** Firebase, Twilio, PyAutoGUI, PyAudio, SpeechRecognition
- **Platforms:** Android, Web Development
- **Key Areas:** Frontend Development, AI & Automation, SMS-based systems
- **Prompt Engineering:** Experienced in using ChatGPT for optimizing syntax and methodology across various projects, while independently developing project logic.

Projects

➢ **RAE**

Frontend Web Development Platform

- Developed an interactive website using HTML, CSS, and JavaScript.
- Focused on building dynamic user interfaces and enhancing user experience.

➢ **Cube Theory**

Website Blog

- Created a blog exploring the Rubik's Cube with all it aspects.
- Built a user-friendly and responsive web design defining the tutorial to solve a Rubik's Cube.

➢ **Python-based Uber/Ola Clone**

- Built a ride-booking system where users send location details via SMS.
- Implemented a system that sends ride confirmation to both users and drivers using Twilio SMS API.
- Used multiprocessing for managing simultaneous responses from drivers and users.

➢ **Welina - AI Call Response System**

- Developed an AI-powered system capable of responding to phone calls and executing file operations.
- Utilized Python libraries like PyAutoGUI, PyAudio, and SpeechRecognition for voice interaction and automation.

➢ **Agrobot Controller** *(In Progress)*

- Developing a website to wirelessly control an agricultural robot in farm fields.
- The robot can move based on coordinates, inspect crop health, and perform pesticide spraying.

➢ **AI-based Traffic Control System** *(In Progress)*

- Creating an AI-powered system that analyzes traffic density at signals to optimize traffic flow.
- Prioritizes emergency vehicles and adjusts signal timing based on real-time traffic data.

➢ **Fake Social Profile Detection (Android)**

- Developed a login system that detects discrepancies in user credentials.
- Integrated Firebase to categorize users into red or green flag categories.

➢ **Other Web and Android Projects**

- Created a simple kg-to-pounds converter app during the learning phase, focusing on Android development fundamentals.
- Have worked on several basic websites using HTML, CSS, and JavaScript.

Additional Endeavours

- Published three novels on Wattpad, currently working on story plots and creative writing for one of them.
- Write and post original poems.
- Participate in drama shows and lead a team called *Radio Drama*, producing audio drama podcasts.

Future Aspirations

I am eager to expand my expertise in Artificial Intelligence (AI) and Machine Learning (ML), as well as continue developing my skills in web and mobile application development. My goal is to integrate these technologies into innovative and impactful solutions, exploring opportunities that bridge AI, ML, and full-stack development.

Entrepreneurial Experience

NEXTTH DOT – Founder
Year – 2024
As the founder and sole member of **NEXTTH DOT**, I have led the development of several innovative tech solutions, including all the projects listed in my portfolio here. NEXTTH DOT focuses on providing cutting-edge technology solutions, ranging from web development and mobile applications to AI and ML-based innovations.

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