Aditya Srinivas Konda

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My Portfolio: - https://adityakonda04.vercel.app/

EDUCATION

K.C College of Engineering and Management Studies and Research Thane, Maharashtra
BE, Information Technology [CGPA: 8.10] *Dec. 2021 – May 2025*

Shivneri School and Junior College Pune, Maharashtra
12th, Science (PCM)[74%] *April. 2019 – Oct 2021*

Presidency School (ICSE) Bhiwandi, Maharashtra
10th, Science [58%] *Dec. 2018 – Mar 2019*

PERSONAL PROJECTS

PREDICO - Disease Prediction System
Tools: Python, Flask, Machine Learning (Multinomial Naive Bayes), MySQL

- o Developed a robust disease prediction system with a user-friendly interface for symptom-based diagnosis.
- o Created and implemented distinct role-based access for patients, doctors, and admins to streamline functionalities.
- o Leveraged the Multinomial Naive Bayes algorithm for high accuracy, achieving a prediction accuracy of 85%.
- o Integrated MySQL for secure and efficient data storage, supporting concurrent users.
- o Reduced server-side processing time by 20% through optimized model integration and Flask framework enhancements.
- o Engineered a seamless integration between machine learning models and web applications, improving user engagement metrics by 40% and reducing page load time by 25%, directly enhancing the overall user experience.

Women Safety & Therapy (Application with IOT Device)
Tools: Android Studio, Java, XML, ESP8266, MP3 Player, Speaker, Neo6M GPS module, Mosquito Killer bat

- o Designed an Android app with advanced SOS, GPS tracking, and panic alert features, ensuring a seamless user experience.
- o Integrated IoT components for real-time safety alerts, achieving a 30% faster response rate in emergencies.
- o Developed a mental health support module offering curated therapy resources, contributing to a holistic safety solution.
- o Incorporated vibration feedback and audio cues for discreet alerts in distress scenarios.
- o Enhanced app reliability through rigorous testing, ensuring 99% uptime.

SELECTED   SKILLS

- o **Programming Languages:** Proficient in Java; Familiar with SQL, Python and JavaScript.
- o **Frameworks and Libraries:** Flask, TensorFlow, Android SDK.
- o **Databases:** MySQL, SQLite, MongoDB.
- o **Tools and Platforms:** Visual Studio Code, Git, Android Studio.
- o **Microcontrollers & IoT:** ESP8266, Neo6M GPS module.
- o **Additional Skills:** Strong debugging, performance optimization, and API integration.

EXTRA -CURRICULAR ACTIVITY

- o Member of the Red Cross Committee in K.C College Of Engineering and Management Studies and Research
- o Member of TPO in K.C College Of Engineering and Management Studies and Research

ACHIEVEMENTS

- o **Second Prize** in IETE-SF Technical Poster Making Competition.
- o **Top 10 Finalist** among 700+ teams in the Aavishkar Project Competition organized by Mumbai University. Successfully developed a SHEild- Women Safety Application with IoT Device, showcasing innovation and problem-solving skills.