Nikhil Appasaheb More

📞 +91 8010661603　✉ nikhil.030305@gmail.com　in Linkedin　○ Github

Education

Vellore Institute of Technology, Bhopal	Aug 2022 – Present
Bachelor of Technology in Computer Science and Engineering (CGPA: 8.70)	*Bhopal, Madhya Pradesh*
Shri. Baleshwar Jr. College	June 2021 – July 2022
12th Grade (Percentage: 82.7%)	*Ahmednagar, Maharashtra*
B.G.P. Sahyadri Vidyalaya	June 2019 – July 2020
10th Grade (Percentage: 93.6%)	*Ahmednagar, Maharashtra*

Experience

Open Source Contributor – GirlScript Summer of Code (GSSoC)　　June 2024 – Oct 2024
Contributor　　*Remote*

- Contributed to 12+ open-source repositories by resolving 15+ issues and implementing 10+ feature enhancements, improving project usability and stability.
- Collaborated with a global community of 50+ developers using Git, GitHub, and Agile practices, gaining expertise in version control, branching strategies, and issue tracking.
- Enhanced project documentation by drafting 7+ contribution guidelines, API references, and workflow diagrams, reducing new contributor onboarding time by 30%.
- Reviewed and tested 50+ peer submissions, improving code quality by 25 % and ensuring 100% CI/CD pipeline.

Projects

IoT Integrated Smart Medication System Using Machine Learning for Enhanced Rural Healthcare　Apr 2025
IoT, CNN, Arduino, ESP8266

- Engineered an automated drug dispensing system integrating a CNN-based mobile app with Arduino hardware to enhance rural healthcare accessibility.
- Trained a Convolutional Neural Network (CNN) on 14+ symptom categories, achieving 98% precision and 99% AUC-ROC in predicting accurate medication regimens.
- Developed a touchless dispensing mechanism using ESP8266 and servo motors, enabling 24/7 availability and eliminating manual prescription errors.
- Designed the system to function in resource-constrained environments, reducing dependency on human pharmacists and minimizing adverse drug interactions.

MovieMatch – Movie Recommendation System　　Aug 2024
Python, NLP, NLTK, Streamlit

- Built a content-based recommendation system using the TMDB 5000 dataset.
- Applied advanced NLP techniques (tokenization, stemming, feature extraction) on 5,000+ movie entries, improving feature representation accuracy by 35%.
- Computed cosine similarity across 10,000+ feature vectors, generating top-10 ranked movie recommendations with 92% user satisfaction in pilot testing.
- Deployed the recommendation engine into a Streamlit-based interactive app, tested by 120+ users, reducing manual search effort by 40%.

Technical Skills

Languages: Python, Java, HTML, CSS, C++
Frameworks & Libraries: Streamlit, NumPy, Pandas, Flask, FastAPI
Databases: MySQL
Tools & Others: Git, GitHub, AWS, Postman

Achievements & Certifications

- **Research Publication:** Paper titled "IoT Integrated Smart Medication System Using Machine Learning for Enhanced Rural Healthcare" accepted for presentation at the **6th ICICNIS 2025** (International Conference on IoT Based Control Networks and Intelligent Systems), Bangalore.
- Solved 350+ Data Structures & Algorithms (DSA) problems on LeetCode and GFG.
- AWS Academy Cloud Foundations – Ethnus, Apr 2025
- Generative AI with IBM Watsonx – IBM, Apr 2025