MARIAM FATIMA

IM Residency, Sri Shyam Nagar, Hyderabad, India

📞 9573946072 ✉ mariam37009@gmail.com in linkedin.com/in/mariam-fatima-a85266319 ⊙ github.com/MariamF35

Profile

Hands-on and innovative Computer Science Engineering student, passionate about developing impactful technology and open-source projects. Demonstrates strong programming skills, a robust academic record (CGPA 8.2), and a dynamic portfolio on GitHub including data science, biomedical apps, cryptography, and full-stack solutions. Skilled at translating complex ideas into working code and interactive dashboards. Thrives in collaborative and challenging environments, and actively contributes to technical communities.

Education

Stanley College of Engineering and Technology for Women   Apr 2024 – Apr 2028
Bachelor of Engineering in Computer Science (CGPA: 8.2, 1st year)   *Hyderabad, Telangana*

Projects

MNIST Image Classifier | *Python, Scikit-learn, Streamlit* [GitHub]   **2025**
- Digit classification using the MNIST dataset with multiple algorithms (Logistic Regression, KNN, Neural Network).
- Built and deployed an interactive analysis dashboard in Streamlit; evaluated models with ROC-AUC and accuracy metrics.

Bio-Medical Data Analysis App | *Python, Streamlit* [GitHub]   **2024**
- Designed a biosensor app for heart and respiration rate using photoplethysmography (PPG) signals.
- Featured biomedical signal processing, data visualization, and model deployment.

Homomorphic Encryption RSA Algorithm | *Python* [GitHub]   **2024**
- Developed a secure encryption system using Homomorphic RSA concepts in Python.
- Explored privacy-preserving computations for secure data sharing.

Real Estate Management System | *Python* [GitHub]   **2023**
- Full menu-driven application for managing real estate listings and admin/user roles.
- Applied object-oriented programming, file management, and business logic.

DBMS Notes Resource | *HTML* [GitHub]   **2024**
- Maintained notes and concept explanations for Database Management Systems, supporting peer learning.

Technical Skills

Languages: Python, Java, C, HTML/CSS, JavaScript, MySQL
Tools: VS Code, Google Colab, Google Cloud Platform, Streamlit
Frameworks: Scikit-learn, WordPress
Key Domains: Data Science, Machine Learning, Full Stack Apps, DSA

Leadership / Extracurricular

College Tech Society   **2024 – Present**
Volunteer   *Stanley College*
- Participated in hackathons, coding competitions, and workshops; collaborated on event planning and technical sessions.
- Contributed to impactful college and social events for student and community engagement.

Sports / Academic Clubs   **2011 – 2016**
Member, Chief Editor   *The Indian High School*
- Led community service and managed magazine editorial operations.
- Achieved academic excellence and supported extracurricular boards.