

Pandranksi Sai Lalith

Electronics and Communication Engineering Student

 sailalith26@gmail.com

 +91-9963546805

 linkedin.com/in/sai-lalith-854784259

 github.com/sai200556

Education

Bachelor of Technology (B.Tech) – Electronics and Communication Engineering

2022–2026

MVGR College of Engineering

CGPA: 6.67/10 (up to 6th sem)

Senior Secondary (12th) – BIEAP

2020–2022 — 60.6%

Secondary (10th) – SSC Board

2020 — 10.0 CGPA

Experience

Research Intern – AI/ML Developer

May 2025 – Jun 2025

National Institute of Technology, Warangal

- Developed transformer-based **GaitFormer** model for gait recognition achieving 88.89% test accuracy.
- Applied agile methodologies for iterative model development and optimization.
- Technologies:** Python, TensorFlow, Keras, OpenCV, NumPy, Pandas, Scikit-learn, Google Colab.

Technical Projects

Enterprise Data Analytics Dashboard — Python, SQL, BI

Oct 2024 – Nov 2024

- Built full-stack analytics platform with SQL integration and REST API endpoints.
- Implemented real-time visualization and automated reporting.
- Tech:** Python, SQL, Flask, Plotly, PostgreSQL, Git.

Cloud-Native Testing Framework — Java, Selenium, TestNG

Aug 2024 – Sep 2024

- Developed automated testing suite following TDD principles with CI/CD integration.
- Achieved 95% test coverage across multiple environments.
- Tech:** Java, Selenium, TestNG, Maven, Jenkins.

AI-Powered Security Detection System — Python, ML

Jun 2025 – Jul 2025

- Built keylogger detection system using Random Forest and SVM achieving 90% accuracy.
- Optimized ML pipeline and tested via precision, recall, and F1-score metrics.
- Tech:** Python, Scikit-learn, Pandas, NumPy.

Digital Transformation Dashboard — Python, APIs, Cloud

Dec 2024 – Jan 2025

- Developed COVID-19 analytics app with API integration and real-time data updates.
- Deployed on Heroku with mobile-responsive UI.
- Tech:** Python, Plotly, REST APIs, HTML5, CSS3, Heroku.

Full-Stack Web Application — JavaScript, HTML5, CSS3

Mar 2024 – Apr 2024

- Built responsive To-Do web app using modern JS (ES6+) and localStorage.
- Applied agile iteration and mobile-first design principles.
- Tech:** JavaScript (ES6+), HTML5, CSS3, Local Storage API.

Technical Skills

Programming: Python, Java, C++, JavaScript (ES6+), SQL, HTML5, CSS3, Bash

Maven, VS Code

Frameworks/Libraries: TensorFlow, Keras, Scikit-learn, OpenCV, NumPy, Pandas, Flask, Plotly, Selenium, TestNG

Practices: Agile/Scrum, SDLC, TDD, CI/CD, Version Control

Databases: SQL, PostgreSQL, Oracle concepts

Specialized: Machine Learning, Deep Learning, Data Analytics, Automated Testing, Digital Transformation

Tools: Git, GitHub, Google Colab, Jupyter, Heroku, Jenkins,

Leadership & Collaboration

Class Representative — MVGR College of Engineering

2022–Present

Fostered collaboration among 60+ students for academic coordination and grievance resolution.

Secretary, FYFP Club — MVGR College of Engineering

2023–Present

Led sustainability initiatives impacting 150+ students and organized awareness campaigns.

Event Organizer — Technical Events & Hackathons

2022–Present

Coordinated hackathons and coding events with 40+ participants.

Additional Strengths

Adaptive mindset and fast learner

Collaborative and communicative

Innovation-focused and detail-oriented

Passionate about digital transformation

Curious, self-motivated, and quality-driven