

# Pandranki Sai Lalith

Electronics and Communication Engineering Student

✉ sailalith26@gmail.com    📞 +91-9963546805    🔗 linkedin.com/in/sai-lalith-854784259    🐙 github.com/sai200556

## Education

<b>Bachelor of Technology (B.Tech)</b> – Electronics and Communication Engineering	<b>2022–2026</b>
MVGR College of Engineering	CGPA: 6.67/10 (up to 6th sem)
<b>Senior Secondary (12th)</b> – BIEAP	2020–2022 — 60.6%
<b>Secondary (10th)</b> – SSC Board	2020 — 10.0 CGPA

## Experience

<b>Research Intern – AI/ML Developer</b>	<i>May 2025 – Jun 2025</i>
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

<b>Enterprise Data Analytics Dashboard — Python, SQL, BI</b>	<i>Oct 2024 – Nov 2024</i>
--	----------------------------

- 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.

<b>Cloud-Native Testing Framework — Java, Selenium, TestNG</b>	<i>Aug 2024 – Sep 2024</i>
--	----------------------------

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

<b>AI-Powered Security Detection System — Python, ML</b>	<i>Jun 2025 – Jul 2025</i>
--	----------------------------

- 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.

<b>Digital Transformation Dashboard — Python, APIs, Cloud</b>	<i>Dec 2024 – Jan 2025</i>
---	----------------------------

- 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.

<b>Full-Stack Web Application — JavaScript, HTML5, CSS3</b>	<i>Mar 2024 – Apr 2024</i>
---	----------------------------

- 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

<b>Programming:</b> Python, Java, C++, JavaScript (ES6+), SQL, HTML5, CSS3, Bash	Maven, VS Code
<b>Frameworks/Libraries:</b> TensorFlow, Keras, Scikit-learn, OpenCV, NumPy, Pandas, Flask, Plotly, Selenium, TestNG	<b>Practices:</b> Agile/Scrum, SDLC, TDD, CI/CD, Version Control
<b>Databases:</b> SQL, PostgreSQL, Oracle concepts	<b>Specialized:</b> Machine Learning, Deep Learning, Data Analytics, Automated Testing, Digital Transformation
<b>Tools:</b> Git, GitHub, Google Colab, Jupyter, Heroku, Jenkins,	

## Leadership & Collaboration

<b>Class Representative</b> — MVGR College of Engineering	<i>2022–Present</i>
Fostered collaboration among 60+ students for academic coordination and grievance resolution.	

<b>Secretary, FYFP Club</b> — MVGR College of Engineering	<i>2023–Present</i>
Led sustainability initiatives impacting 150+ students and organized awareness campaigns.	

<b>Event Organizer</b> — Technical Events & Hackathons	<i>2022–Present</i>
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	