

Pathuri Sai Vardhan Reddy

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Education

Geethanjali College of Engineering and Technology

Sept 2021 – May 2025

B.Tech in Computer Science and Engineering

- GPA: 8/10
- **Coursework:**Data Structures and Algorithms, Operating Systems, Database Management Systems, Machine Learning, Artificial Intelligence, Software Engineering, Computer Networks, Web Development, Mobile Application Development, Cloud Computing, Cybersecurity, Object Oriented Programming.

Experience

Intern

Hyderabad, Telangana

Supraja Technologies

May 2023 – Jul 2023

- Performed comprehensive network vulnerability assessments using Nmap and Wireshark, identifying and prioritizing more than 15 critical risks across multiple internal environments, improving security posture.
- Collaborated with a 4-member team to design mitigation strategies that reduced potential security risks.
- Prepared detailed documentation outlining identified risks, categorized by severity, along with their potential impact and actionable remediation plans, improving incident response and compliance readiness.

Mentor (DSA)

Hyderabad, Telangana

Smart Interviews

Aug 2024 – Mar 2025

- Mentored 150 students in Data Structures and Algorithms at various difficulty levels.
- Conducted over 30 live sessions and doubt-clarification meetings, covering fundamental to advanced DSA topics, resulting in improved problem-solving confidence among mentees.
- Designed customized practice plans and mock interview questions to increase problem solving efficiency.

Projects

Crypto Price Prediction

[Link](#) 

- Developed a machine learning-based web app to forecast cryptocurrency prices with a precision 92%.
- Implemented a real-time alert system for threshold-based notifications.
- Tools used: Python, Flask, Scikit-learn, NumPy, Pandas, Smtplib, HTML, CSS

Peer-to-peer Learning Platform

[Link2](#) 

- Led a team of 3 in designing and developing a web platform where students could earn passive income by teaching peers, promoting accessible and peer-driven learning.
- Collaborated closely with UI/UX and deployment tasks, overseeing the entire lifecycle.
- Tools used: JavaScript, Node.js, Express.js, MongoDB

AI-Powered Resume Evaluator with ATS

- Designed and deployed a full stack web application that analyzes resumes against job descriptions using Google's Generative AI, simulating ATS screening with context-aware feedback generation.
- The tool was deployed for demo access and resume visualization through a user-friendly Streamlit interface.
- Tools used: Streamlit, Google Generative AI API (PaLM), Python, pdf2image, Python-dotenv

Technologies

Languages: Java, Python, C, C++, SQL, JavaScript, HTML, CSS

Technologies: Node.js, React.js, MongoDB, Flask, Git, TensorFlow, Scikit-learn, Pandas, NumPy.