PAVAN THRIKOTI POTTUPALLI

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EDUCATION

B.Tech in Computer Science and Engineering Oct 2022 – May 2026
Madanapalle Institute of Technology and Science (MITS), Andhra Pradesh
CGPA: 9.04 (as of 5th semester)
Coursework: Python, C, C++, Data Structures and Algorithms (DSA), Java, Computer System Architecture, Database Management Systems (DBMS), Formal Languages and Automata Theory (FLAT), Operating Systems, Object-Oriented Programming (OOP), Android App Development, Computer Networks, Artificial Intelligence (AI), Python for Data Science, Machine Learning (ML), Compiler Design, Software Engineering, Internet of Things (IoT), AI Tools and Techniques

EXPERIENCE

Cybersecurity Intern Cisco AICTE Virtual Internship Program CERTIFICATE ↗ May 2024 – Jul 2024
- Simulated and secured institutional networks using Cisco Packet Tracer, reducing vulnerabilities by **30%** through the identification and resolution of security gaps.
- Designed and implemented a VPN-based remote access system that increased secure connectivity for over **500+ students and faculty members**.
- Configured web content filtering and access control policies, and improved cybersecurity compliance by blocking non-academic sites, reducing unauthorized access attempts by **40%**.
- Strengthened understanding of firewalls, network protocols, and endpoint protection through **10+ real-time network simulations**, identifying and mitigating key threats.
- Awarded a Cisco Networking Academy certificate for completing the AICTE Virtual Internship Program, supported by Skill India and the Ministry of Education.

PROJECTS

Faculty Availability Tracker (Web) LINK ↗ Mar 2025 – Present
Role: Team Leader   Tech Stack: JavaScript, React.js, HTML5, CSS3, Firebase, Firestore, StackBlitz   Team size: 2
- Developing a cross-platform app to track faculty availability in real time using **React.js** and **Firebase**.
- Integrated **Firestore** for secure login and live status updates.
- Used **StackBlitz** for rapid prototyping; designed a responsive UI for web and mobile.
- Planned features: notifications via **Firebase Cloud Messaging**, chat, and availability analytics.

Personal Expense Tracker LINK ↗ Jun 2025 – Jul 2025
Role: Full Stack Developer   Tech Stack: HTML5, CSS3, JavaScript, Chart.js, Vercel
- Built a responsive personal finance tracker using **JavaScript** and custom **CSS3**.
- Added **CRUD-like** operations for expenses and budget tracking with Local Storage.
- Visualized data using **Chart.js**; deployed on **Vercel** with Continuous Deployment.
- Ensured accessibility (WCAG AA) and mobile responsiveness.

SKILLS

Programming Languages: Python, Java, C, C++, SQL
Web Development: HTML5, CSS3, JavaScript, React.js
Libraries: OpenCV, Scikit-learn, Pandas, NumPy
Backend & Cloud Technologies: MySQL, Firebase, Firestore, Google Cloud Platform (GCP), XAMPP
Developer Tools: Git, GitHub, VS Code, StackBlitz, Figma, Tinkercad, Cisco Packet Tracer, Vercel, Netlify
Platforms: Windows, Android, Web (Responsive Design), Google Colab
Soft Skills: Communication, Team Leadership, Coordination, Decision Making, Problem Solving

CERTIFICATIONS

Python Technology Stack – Infosys Springboard CERTIFICATE ↗ May 2025 – Jul 2025
Programming in Java – NPTEL (IIT Kharagpur) CERTIFICATE ↗ Jan 2024 – Apr 2024
Generative AI by Google Cloud CERTIFICATE ↗ Jun 2024 – Sep 2024

ACHIEVEMENTS

- Awarded the **NPTEL Discipline Star** in **Computer Science** by **IIT Madras**, recognizing consistent academic excellence across multiple NPTEL courses.
- Achieved **top 10%** rank in a competitive coding contest at MITS, demonstrating strong Python programming skills.
- Ranked **212th** out of 4600+ students from MITS on the GeeksforGeeks Institutional Leaderboard.