

# Padamata Hema mani chandra

Mani-chandra.com | [LinkedIn](#) | [Leetcode](#)

Location:- Machilipatnam, A.P

✉ [chandra.gowd203@gmail.com](mailto:chandra.gowd203@gmail.com) | ☎ +919059770203

## SUMMARY

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Dynamic and visionary fresher with a strong academic foundation in cybersecurity and data science. Fueled by sharp analytical skills and a passion for innovation, I'm ready to deliver transformative solutions, protect digital ecosystems, and drive data-driven growth in a fast-evolving tech landscape.

## EDUCATION

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- **BTech**, Lingayas Institute of Management and Technology, Vijayawada , Andhra Pradesh(Pursuing)
- **Intermediate**, Sri chaitanya Junior College, Machilipatnam, Andhra Pradesh,2023
- **10 Standard SSC**, Sri Chaitanya techno school Machilipatnam, Andhra Pradesh, 2021

## SKILLS

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**Hard Skills:** Programming languages (C, Python, SQL)

**Soft Skills:** Self-learning, Communication, Innovative and Initiative, leadership, Responsible.

**Operating System:** Windows, Linux

**Developer Tools:** VS Code, MYSQL, SQLPlus, Jupyter notebook.

**Relevant Coursework:** Data Structures and Algorithms, Operating System, Database Management Systems, Computer Networks.

**Languages:** English (Fluent), Telugu (Native)

## ACTIVITIES

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### Internships

#### Virtual Internships

##### Advanced System Hacking via SMB Exploitation(Solo Project)

January 2025-April 2025

- *Interned at IIDT Black Bucks, focused on Exploiting system by using Metasploit techniques and wireshark.*
- *Developed a penetration testing framework targeting SMB protocol vulnerabilities, with automated scripts for detecting and mitigating unauthorized access threats. Conducted forensic analysis of network breaches using Metasploit and Wireshark to ensure robust security assessments.*

### Academic Projects

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#### Movie Ratings Visualization

August 2025

- Developed a Python-based data analysis project in Jupyter Notebook using the TMDB 5000 Movies dataset to explore ratings, genres, and revenue.
- Created visualizations: bar chart of genre ratings, scatter plot of ratings vs. revenue, and histogram of rating distributions with Matplotlib and Seaborn.
- Analyzed findings: High ratings for Documentary and Drama, no revenue-rating correlation, and 6–8 as common ratings.

### Certifications & Achievements

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#### • **Python Programming** – RFSkillig [View Certificate](#)

Gained hands-on experience in scripting, data structures, and automation using Python.

#### • **Data Privacy Analyst** – RFSkillig Academy [View Certificate](#)

Learned key data protection concepts, privacy compliance frameworks, and secure data handling practices.