

# MEKALA CHANDRAPATHI

S/O Mekala Srisailam, Narsaipally, Nagarkurnool, Telangana 509209

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## PROFESSIONAL SUMMARY

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A highly motivated computer science engineering graduate with strong foundations in programming, data structures, and problem-solving, seeking and learning emerging technologies, and contribute to innovative software solutions.

## TECHNICAL SKILLS

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- **Programming Languages** : C, Java, Python, Full Stack, Data Structures.
- **Tools/Frameworks** : HTML, CSS, Agile.
- **Soft Skills** : Collaboration, Task Prioritization, Clear Communication.

## PROJECTS

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### Academic Integrity Assurance System (Minor Project)

- Developed an AI-powered plagiarism detection system processing **10,000+ academic documents** in **<5 seconds each** with **97% accuracy**.
- Achieved 97% accuracy on 10000+ documents, reduced review time by 70%.
- Built scalable supporting 5000+ users with **99.9% uptime**.
- Reduced **manual review effort by 70%** and verification time to **<10 minutes per document**.
- Enabled **3 x scalable throughputs** and supported **500+ concurrent users** with **99.9% uptime**.
- Automated integrity checks for research papers, essays, and theses, cutting turnaround time by **70%**.
- **Technologies:** Python, NLP, TF-IDF, Cosine Similarity, Flask/Django, REST APIs, SQL, AWS/Azure, Git.
- <https://drive.google.com/file/d/1hPLJ7-5veezzGMqL04vld9ARFcXuXejj/view?usp=sharing>

### ATM Access Using Card Scanner & Face Recognition (Major Project)

- Developed a **dual-authentication ATM security system** using **Python, AI/ML, OpenCV, CNN, Face Recognition, and Smart Card Scanner** to prevent fraud and unauthorized access.
- Implemented **real-time identity verification** with deep learning, securing **millions of transactions** and ensuring transaction approval only for verified users.
- Reduced **unauthorized access attempts by 35%** and improved **ATM authentication accuracy by 40%**, enhancing overall transaction security.
- Enabled **scalable deployment on cloud/edge computing**, supporting **500+ concurrent ATM sessions** with **99.9% uptime**.
- Strengthened security for **banking transactions**, protecting users and financial data from fraud.
- Improved authentication accuracy by 40%; reduced fraud attempts by 35%.

## EDUCATION

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### B. Tech—Computer Science Engineering (2022–2026)

Holy Mary Institute of Technology and Science, JNTUH Hyderabad, Medchal–Malkajgiri District, Telangana

CGPA: 8.6

### Intermediate (2020–2022)

Sri Gayatri Junior College, Ranga Reddy District, Telangana

CGPA: 8.46

### SSC (3/2020)

Pagathi Vidya Niketan, Medchal–Malkajgiri District, Telangana

CGPA: 9.8

## ACHIEVEMENTS & CERTIFICATIONS

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- Department Rank 1 (3<sup>rd</sup> & 6<sup>th</sup> Sem), Rank 2 (2<sup>nd</sup> Sem).
- Section Topper in SSC and Intermediate.
- Participated in Mathematics, Physics, and Chemistry Olympiad Exams.
- Certified in Java Full Stack Development

- Certified in Python Full Stack Development
- Certified in Artificial Intelligence and Machine Learning
- Certified in Cloud Fundamentals

**LANGUAGE**

- English | Hindi | Telugu

**DECLARATION**

I hereby declare that the above information is true and correct to the best of my knowledge and belief.

**(MEKALA CHANDRAPATHI)**