

# POTHULA MANISH REDDY

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## SUMMARY

Motivated Computer Science Engineering student (CGPA: 6.5) at ICFAI Foundation for Higher Education with hands-on experience in backend and full-stack development. Skilled in Java, Python, SQL, and web technologies. Passionate about problem-solving, building innovative solutions, and collaborating in agile environments.

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## TECHNICAL SKILLS

- Languages: Java, Python, C, SQL, JavaScript (Familiar)
  - Core: Data Structures, Algorithms, Object-Oriented Programming
  - Web Development: HTML, CSS, Streamlit, .NET (Learning)
  - Cloud & DevOps: Microsoft Azure (Fundamentals), AWS, Git, Bitbucket
  - Databases: SQL, MySQL
  - Tools: VS Code, API Testing, Jupyter Notebook, Google Colab
  - Other: SEO, Digital Marketing, Content Writing
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## PROJECTS

### Java and Python Calculator-

- Built GUI calculators using Java Swing and Python Tkinter for basic mathematical operations.
- Gained experience in GUI-based programs, event handling, and modular function design.

### Deepfake Detection Using CNN (ResNet) and LSTM Networks-

- Collaborated with a team to develop a hybrid ResNet-50 + LSTM detection system, processing 5,000+ video frames in TensorFlow, achieving 90% accuracy on FaceForensics++/DFDC datasets.
- Optimized model performance through a 6-hour training pipeline, demonstrating robust detection capabilities for multimedia fraud prevention and AI-generated content verification.
- Authored a research paper documenting the hybrid methodology and comparative analysis for digital forensics applications.

### Personal Expense Tracker – Python, Streamlit

- Developed a web-based dashboard for expense tracking and visualization, reducing manual effort by 80%. Integrated CSV persistence with Python and deployed on Streamlit Cloud.
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## EXPERIENCE

### Technical Intern – JALA Academy

Jun 2024 – Jul 2024

- Built mini projects in Java and Python, enhancing backend logic and design.

- Participated in pair programming, code reviews, and agile development planning.
  - Worked with Git and Bitbucket version control systems.
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## EDUCATION

ICFAI Foundation for Higher Education, Hyderabad  
Bachelor of Technology in Computer Science Engineering  
CGPA: 6.5 | 2022 – 2026

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## CERTIFICATIONS

- Microsoft Azure AI-900 – Udemy
- AWS Academy Cloud Foundations
- Kaggle Certificate – Data Analysis
- MATLAB Training – MathWorks
- NASSCOM – Data Processing & Exploratory Data Analysis