

# LASYA MATTAPARTHY

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## Personal Summary

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Graduate student in Data Science and Analytics with a foundational background in Computer Science (B.Tech). Skilled in data analysis, machine learning, and statistical modeling, with experience in full-stack development through academic projects. Capable of applying analytical and problem-solving skills to generate insights and develop solutions. Seeking opportunities to gain industry experience and contribute to impactful data-driven initiatives.

## Skills

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- Coding languages: Python, Java, C/C++
- Web development: JavaScript, HTML, CSS, Node.js
- Database technologies: MySQL and MongoDB
- Data analysis tools: Excel and Power BI

## Experience

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Max Power Controls

**Junior Analyst Intern**

10/2023 – 04/2024

- Analyzed business processes and workflows to identify inefficiencies and recommend improvements for operational efficiency. Experience Letter
- Supported data-driven decision making by preparing analytical reports, summaries, and interactive dashboards using Excel and Power BI. Experience Letter
- Collaborated with cross-functional teams to gather business requirements and deliver clear, actionable insights. Experience Letter
- Demonstrated strong analytical skills, attention to detail, and adaptability while contributing to multiple business analysis initiatives.

## Projects

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### **Blockchain-Based Digital Certificate Verification System, Major Project**

2024 – 2025

Developed a blockchain-based digital certificate verification system using SHA-256 hashing and smart contracts on the Ganache Ethereum network to ensure certificate authenticity and prevent tampering.

### **Music Genre Classification, Mini Project**

2024

Built a Music Genre Classifier using the GTZAN dataset with 1000 audio tracks (30s each, 22050 Hz) to classify music into ten genres including Pop, Jazz, Rock, and Hip-Hop. Utilized Convolutional Neural Networks (CNNs) for genre prediction and integrated Gradio to develop an interactive web interface for audio upload and real-time prediction with probability outputs.

## Publications

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### **Online Document Verification using Blockchain Technology**

06-05-2025

<https://www.ijfmr.com/research-paper.php?id=46084>

## Education

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Kennesaw State University | Georgia, USA

*Expected Graduation: May 2027*

**MASTER OF SCIENCE** in DATA SCIENCE AND ANALYTICS

Mahatma Gandhi Institute of Technology | Hyderabad, India

2021-2025

**BACHELOR OF TECHNOLOGY** in COMPUTER SCIENCE AND ENGINEERING

## Certifications

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- Completed Internship in Machine Learning, SmartKnower
- Completed C Programming Course, Cisco
- Attended AWS Workshop (5 Days), EDCULTS
- Participated in Internal Hackathon for Smart India Hackathon, 09/24
- Participated in Idea Pitching Contest on Innovation Day, 05/23, Institution's Innovation Council & EDC, MGIT

## Personal Profile

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- <https://www.linkedin.com/in/lasya-mattaparthy-91a163281/>
- <https://github.com/>