

# MANISHA P POOJARY

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Haleyangadi, Mangaluru

## OBJECTIVE

MCA final-year student skilled in Python, SQL, and full-stack development with hands-on experience in AI-based projects and web applications. Seeking a software developer or data analyst role to apply problem-solving skills and build scalable real-world solutions.

## EDUCATION

Masters of Computer Applications (2024 – 2026)  
NMAM Institute of Technology, Nitte CGPA: 6.65  
Bachelor of Computer Applications (2021 – 2024)  
Vijaya College Mulki, Mangaluru CGPA: 6.62

## TECHNICAL SKILLS

Languages: Python, Java, C, JavaScript, PHP  
Web: HTML, CSS, React.js, Node.js  
Databases: MySQL, MongoDB  
Tools: TensorFlow, OpenCV, Git, VS Code, Excel

## PROJECTS

- AI-Driven Sign Language Translation: GitHub
  - Developed an AI-based sign language translation system using Python, TensorFlow, and OpenCV achieving accurate gesture recognition for real-time communication.
  - Dual-model system using a fine-tuned ResNet-18 for word-level signs (e.g., “Hello”, “Bye”, “Yes”, “No”, “Thank You”) and a custom CNN for alphabet gestures.
- Secure Authentication System: GitHub
  - MERN stack project with user registration and login functionalities.
  - Added OTP email verification (Nodemailer), bcrypt password hashing, and JWT-based authentication.
- Employee Management System: GitHub
  - Flask-based web app using Python, SQLAlchemy, HTML/CSS.
  - Features: add, update, view, delete employees.
- QR Code Upload scan System: GitHub
  - Developed a system to detect fake or suspicious UPI QR codes using image processing and validation techniques.
  - Implemented QR code scanning, upload, and verification features to enhance digital payment security.
  - Built using Python and OpenCV with a simple user interface for real-time QR validation.

## INTERNSHIP

React.js Intern — CodeLab Systems, Mangalore Jan 2026 – Feb 2026

- Completed a structured internship focused on React.js application development.
- Developed responsive UI components and integrated frontend with RESTful APIs.
- Improved application performance and user experience through optimized component design.

Full Stack Web Development Intern — Prodigy InfoTech Jul 2025 – Aug 2025

- Completed a one-month internship in Full Stack Web Development.
- Strengthened skills in Flask, Bootstrap, SQLite, REST APIs, and deployment.
- Contributed to backend API development and frontend integration.

## CONFERENCES

IEEE AIDE-2026 Conference Paper  
“AI-Driven Sign Language Translation: Bridging Communication Gaps through Deep Learning and Computer Vision”

Presented at the 6th International Conference on Artificial Intelligence and Data Engineering (AIDE 2026), IEEE Technically Co-Sponsored, held at NMAM Institute of Technology (NITTE), Nitte, Karnataka, India, February 2026.

The research focuses on deep learning and computer vision techniques for real-time sign language translation to bridge communication gaps for the hearing-impaired community.

## CERTIFICATIONS

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- Data Analytics Job Simulation – Deloitte (Forage) Jan 2026  
Completed practical tasks in data analysis and forensic technology using real-world business scenarios.
- Data Science Bootcamp – GeeksforGeeks  
6-week course on data analysis and machine learning model development.
- Cloud Computing Workshop – NMAM Institute of Technology Apr 2025  
Participated in Student Development Program on Cloud Computing.
- Digital Marketing Training – ExcelR EdTech Jun–Jul 2025  
Completed 30-hour live training program on Digital Marketing.
- Flutter Workshop – NMAM Institute of Technology Jun 2025  
Participated in 4-day workshop on Flutter app development.
- Research Methodology and Publication Workshop – NMAMIT Jan 2025  
Participated in two-day SDP on research methodology and publication.

## SOFT SKILLS

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Problem Solving, Team Collaboration, Quick Learner, Adaptability

## LANGUAGES KNOWN

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English, Kannada, Hindi