

# Manoj R

Software Engineer | AI Developer | Fresher

Recent MCA graduate with expertise in AI/ML, full-stack development, and ERP systems. Passionate about leveraging Python, TensorFlow, and SAP technologies to develop innovative enterprise solutions. Currently learning SAP ABAP and ERP fundamentals to contribute to SAP-based applications.

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## EDUCATION

### Master of Computer Applications

Acharya Institutes

12/2023 - Present

GPA 8.21

### Bachelor of Computer Applications

JSS College of Arts, Commerce & Science

06/2020 - 09/2023

GPA 7.16

## PROJECTS

### AI-powered personal stylist and outfit recommender (11/2024 - Present)

- Developed an AI-based fashion recommendation system using Python, Flask, TensorFlow, NLP, LLMs and PyTorch, achieving 85% accuracy with CNNs for outfit suggestions. Used OpenCV for image preprocessing and virtual try-on, integrating Keras for optimized deep learning. Deployed as a Flask web app with an intuitive UI.

### Inventory Management System (03/2023 - 06/2023)

- Developed an Inventory Management System using Python, Flask, MySQL, and JavaScript for automated stock tracking. Built a real-time dashboard, optimized MySQL queries for 30% faster retrieval, and added low-stock alerts with role-based authentication.

### Rooms Booking Website (05/2022 - 08/2022)

- Developed a responsive room booking website using HTML, CSS, JavaScript, and Flask with a MySQL-backed dynamic booking system. Designed an interactive UI, added automated email notifications, and improved booking efficiency by 40% while preventing double bookings.

## VOLUNTEER EXPERIENCE

### Code Fusion – IT Fest | Volunteer

Acharya Institutes

05/2024 - 06/2024

Achievements/Tasks

- Assisted in organizing and managing coding competitions.
- Provided leadership in coordinating teams for smooth event execution.
- Guided participants in debugging and technical queries.

### Cultural & Performance Mentor

JSS College of Arts, Commerce and Science

10/2021 - 05/2022

Achievements/Tasks

- Managed cultural performances, ensuring coordination.
- Provided feedback, corrected mistakes, and improved sync.
- Assisted in choreography, stage planning, and execution.

## SKILLS

Agile methodologies

Automation testing

Bash scripting

GitHub collaboration

Java development

Linux system administration

Object-Oriented Programming

Problem-solving skills

AWS

PyTorch

Docker

Python programming

SAP ABAP (learning)

SAP HANA (learning)

ERP Systems (learning)

Version control with Git

RESTful APIs

NoSQL (MongoDB)

## ACHIEVEMENTS

### HackerRank Software Engineer Intern Certification

Passed role certification test, validating software engineering skills.

### Accenture Advanced Engineering Job Simulation

Gained hands-on experience in Object-Oriented Programming, CI/CD, code refactoring, and Agile methodologies.

## CERTIFICATES

### Certified in Google IT Automation with Python (06/2024)

Covered Python, Git, IT automation, debugging, and cloud configuration.

### Career Essentials in Software Development – Microsoft & LinkedIn (08/2025)

Learned software development fundamentals, programming concepts, version control, and industry tools for real-world application.

### IBM AI Developer (03/2024)

Expert in AI development, built AI apps with Python, Flask, HTML, CSS, JS, and developed chatbots, AI models, and tools.

### IBM – Developing Front-End Apps with React (01/2024)

Mastered React.js for front-end development, developed interactive UI components, and learned best practices for efficient development.

### Animation with JavaScript and jQuery (07/2024)

Mastered interactive web animations and dynamic UI effects using JavaScript and jQuery.