

Manoj R

Software Engineer | Backend Developer (Python/MERN) | AI/ML Enthusiast | Quick Learner

Self-driven MCA student with hands-on experience building 3+ full-stack & AI-powered applications. Proficient in Python, Flask, TensorFlow, and the MERN stack, with a keen interest in building efficient, scalable solutions. Known for quick learning, clean coding practices, and adaptability to new technologies. Actively seeking opportunities to contribute to impactful software development projects while continuously growing as a developer.

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🐙 github.com/manojrajgopal

EDUCATION

Master of Computer Applications Acharya Institutes

12/2023 - Present

GPA 8.095

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)

- Built an AI-based fashion recommendation system achieving 85% accuracy, using CNNs with TensorFlow, LLMs for NLP, and PyTorch. Integrated OpenCV for virtual try-on and Keras for deep learning. Deployed via a user-friendly Flask web app.

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

- Built a Flask-based inventory management system with MySQL and JavaScript, featuring a real-time dashboard, low-stock alerts, and achieved 30% faster query performance through optimized database queries.

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

- Developed a Flask-based room booking web app using MySQL and JavaScript, improving booking efficiency by 40% and preventing double bookings through smart booking logic.

EXPERIENCE

Python AI/ML Development Intern Zoblik International – Remote

06/2025 - Present

Achievements/Tasks

- Worked on Python-based AI/ML tasks using TensorFlow and scikit-learn.
- Completed projects involving model building and data preprocessing.
- Collaborated remotely with a tech team and delivered timely submissions.

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.

SKILLS

Programming: Python, Java, Bash

AI/ML: TensorFlow, Pytorch, scikit-learn, OpenCV, NLP

Web: Flask, React.js, Node.js Express.js, REST APIs

Databases: MySQL, MongoDB

Tools: Git, GitHub, VS Code, Docker, Postman

Methodologies: Agile, CI/CD

Cloud/DevOps: AWS, Linux, CI/CD

Core Concepts: OOP, Problem-solving, Agile, Automation

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.

Frontend Intern – CompilerSutra (AITR Karmic Technology LLP)

Improving UI/UX and developing features for a MERN-based code platform as part of a 6-month remote internship.

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.