

Manoj R

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

Motivated and fast-learning Python AI Developer with a strong foundation in backend development, AI/ML, and full-stack projects. Currently working at Campus Technology, where I contribute to real-world AI solutions using Python, Flask, and machine learning tools. Proficient in TensorFlow, MERN stack, and scalable systems. Passionate about solving problems and building impactful, user-friendly applications. Seeking to grow as a developer by contributing to innovative teams and high-impact software projects.

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💻 manojrajgopal.github.io/portfolio/

🐙 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

Code Fusion – IT Fest | Volunteer Acharya Institutes

05/2024 - 06/2024

Bangalore

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

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.

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.