

MANOJ P M

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SUMMARY

Innovative and analytical Computer Science Engineer (CGPA 8.3) with strong fundamentals in Data Structures, Algorithms, OOP, and SDLC. Experienced in designing scalable, maintainable, and test-driven applications using **Java, Python, SQL, and JavaScript**. Adept in automation testing, CI/CD, Git, and REST API development. Passionate about modern engineering practices, AI-integrated systems, and continuous learning — aligned with EPAM's values of Excellence, Teamwork, and Responsibility.

EDUCATION

Alva's Institute of Engineering and Technology, Moodbidri

2021 – 2025

B.E - Computer Science and Engineering — CGPA: 8.3

Dakshina Kannada, Karnataka

EXPERIENCE AND INTERNSHIP

Software Engineering Intern – EPAM-aligned (Full Stack + QA Automation)

Mar 2025 – Jun 2025

Sash Info Services Pvt Ltd

Bengaluru, Karnataka

- Developed and maintained **high-quality, scalable** modules using **Java, Python, and React.js**.
- Automated test cases using **Selenium, JUnit, and PyTest**, ensuring 95% test coverage.
- Built CI/CD pipelines using **GitHub Actions** and **Docker** for automated deployments.
- Collaborated with QA and DevOps teams for continuous integration, debugging, and performance optimization.
- Applied Agile methodology and version control via **Git**, ensuring clean, reusable code.

Salesforce Developer Intern

Mar 2023 – Jun 2023

Salesforce (via Smart Internz)

Remote

- Developed secure automation workflows, **Lightning Web Components (LWC)**, and Apex controllers.
- Integrated APIs and validated data integrity using SOQL and validation rules.
- Performed unit testing, debugging, and deployment using **Salesforce CLI**.
- Earned Superbadges in **Apex Specialist, Developer Super Set**, and Process Automation.

PROJECTS

Smart Recruitment Platform (Django, Python, SQL, Selenium)

May 2025

- Engineered full-stack recruitment portal automating resume parsing and ranking using **NLP + ML**.
- Designed **modular backend architecture** with Django ORM and RESTful APIs.
- Implemented automated UI testing with **Selenium + PyTest**, ensuring stability across updates.
- Applied **SQL joins and indexing**, reducing data query time by 35%.

Adaptive Learning Platform (Java, Spring Boot, React, Selenium, CI/CD)

Aug 2025

- Designed and developed a full-stack **adaptive e-learning platform** supporting real-time quiz generation and performance tracking.
- Built backend microservices using **Spring Boot + REST APIs** integrated with **MySQL** and JWT authentication.
- Implemented **automated testing suite** using **JUnit, Selenium, and TestNG** for regression and UI testing with 90% coverage.
- Integrated continuous integration and deployment pipelines via **GitHub Actions + Docker**, ensuring smooth delivery.
- Utilized analytics modules for adaptive learning recommendations using **Python-based ML microservice**.
- **Outcome:** Delivered a production-ready, maintainable, and test-driven system reflecting EPAM's **Engineering Excellence (EngX)** culture.

Agile Test Automation Framework (Java, TestNG, Maven, Git)

Feb 2024

- Developed automated test scripts using **TestNG** and integrated them in a Maven-based build system.
- Implemented Page Object Model (POM) and integrated test reports in CI pipeline.
- Reduced manual regression effort by 50% through automation of key functional test cases.

E-Gram Panchayat Mobile App (Java, MySQL, REST APIs)

Feb 2023

- Built Android app to digitize rural governance workflows using **Java + MySQL**.
- Designed REST APIs for citizen service requests and implemented secure authentication.
- Adopted full SDLC process: planning → design → testing → deployment.

TECHNICAL SKILLS

Languages: Java, Python, JavaScript, SQL, HTML, CSS

Frameworks / Tools: Django, Node.js, React.js, Selenium, JUnit, TestNG, Cypress, Playwright, PyTest, Maven, Git, Docker

Databases: MySQL, MongoDB, PostgreSQL

Concepts: OOP, DSA, SDLC, RESTful APIs, Agile, CI/CD, Version Control, Testing, Debugging, Deployment

AI/ML Skills: Machine Learning, Deep Learning, Natural Language Processing (NLP), Computer Vision, Data Pre-processing, Feature Engineering, Model Training & Evaluation, TensorFlow, PyTorch, Scikit-Learn, Pandas, NumPy, Matplotlib, OpenCV

Other: Problem Solving, Analytical Thinking, System Design Basics, Cloud Deployment (AWS), AI/ML fundamentals

CERTIFICATIONS

- Salesforce Developer and Administrator Super Set (Apex Specialist, Process Automation)
- Python and Cloud Certificate - MicroDegree
- Postman API Fundamentals Student Expert
- Java Programming and DSA – CodeChef
- Software Testing Foundations – simplilearn
- Git and Version Control Mastery – MicroDegree

ACHIEVEMENTS & LEADERSHIP

- Team Lead – Code Guardian Technical Program, Alva's Institute (2022–2025)
- Winner – Intra-college Hackathon on AI-based Automation
- Authored “**Whispers of Shadows**”, a published creative book