

# MANOJ P M

Shivamogga, Karnataka

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## SUMMARY

Results-driven **Software Engineer** passionate about designing and implementing intelligent cloud-based solutions. Skilled in **Generative AI, Predictive Analytics (SmartSignal), AWS, and SDLC methodologies (Agile, CI/CD)**. Strong background in **Java, Python, and Full-Stack Development** with proven ability to translate data-driven insights into reliable, scalable, and automated digital systems. Dedicated to driving innovation in energy intelligence, real-time analytics, and automation aligned with **GE Vernova's digital transformation vision**.

## EDUCATION

**Alva's Institute of Engineering and Technology, Mijar, Moodbidri**  
*B.E. – Computer Science and Engineering — CGPA: 8.3/10*

2021 – 2025  
*Dakshina Kannada, Karnataka*

## EXPERIENCE AND INTERNSHIP

**Sash Info Services Pvt Ltd**

*Software Application Development Engineer Intern*

Mar 2025 – Jun 2025

*Bengaluru, Karnataka*

- Developed and deployed **predictive analytics modules** leveraging **Python, TensorFlow, and AWS (EC2, S3)** to automate data-driven decision-making workflows.
- Collaborated in Agile team to deliver high-performance backend APIs using **Node.js, Express, and MongoDB**, improving system scalability by **30%**.
- Applied **SmartSignal-style anomaly detection** concepts for real-time monitoring and failure prediction in cloud-based applications.
- Integrated Generative AI components using **LangChain and OpenAI API** for intelligent alert summarization and prescriptive recommendations.
- Followed full SDLC, including documentation, CI/CD (Git + Jenkins), testing, and secure deployment under AWS environment.

**Salesforce (via Smart Internz)**

*Salesforce Developer Intern*

Mar 2023 – Jun 2023

*Remote*

- Configured Salesforce Org, implemented workflows, and customized user interfaces using **Lightning Web Components (LWC)**.
- Developed and debugged **Apex classes, triggers, and APIs** for system integration.
- Collaborated in **Agile sprints** to deliver features aligned with project roadmaps.
- Earned multiple **Superbadges** including Apex Specialist and Developer Super Set.

## PROJECTS

**Predictive Energy Intelligence Platform (Django, Python, AWS, SmartSignal Analytics)**

**Jun 2025**

- Developed a **SmartSignal-inspired predictive maintenance system** to forecast energy equipment failures using **Python (scikit-learn, Pandas)** and deployed models via **AWS EC2 and S3**.
- Integrated a **GPT-based Generative AI module** to produce intelligent insights, anomaly reports, and maintenance summaries for operator dashboards.
- Built **RESTful APIs and real-time dashboards** with Django and React for monitoring, visualization, and alert generation.

**Smart Recruitment: AI Resume Screening (Django, Python, NLP)**

**May 2025**

- Designed an **AI-powered recruitment system** leveraging **NLP (SpaCy)** and ML classifiers to automatically extract, rank, and shortlist candidate resumes.
- Implemented **Agile-based development and CI/CD pipelines**, achieving **90%+ screening accuracy** and scalable deployment architecture.

**Decentralized Cloud Storage (Ethereum, IPFS, MERN)**

**Dec 2024**

- Engineered a **tamper-proof decentralized storage system** combining **IPFS and Ethereum Smart Contracts** to ensure transparent and secure data transactions.
- Containerized the application using **Docker** and deployed on **AWS**, providing fault tolerance, high availability, and verifiable data integrity.

## TECHNICAL SKILLS

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**Languages:** Java, Python, C++, C, JavaScript (Node.js), SQL, TypeScript

**Cloud / AI:** AWS (EC2, S3, Lambda), SmartSignal Analytics, Generative AI (LLMs, LangChain, OpenAI), Predictive Maintenance, MLOps

**Frameworks:** Django, Spring Boot, React.js, Node.js, TensorFlow, scikit-learn, Streamlit, Flask

**DevOps / Tools:** Git, Docker, Jenkins, VS Code, IntelliJ IDEA, Postman, JIRA, Linux/Unix

**Testing / Quality Assurance:** JUnit, PyTest, Selenium, Postman, API and Integration Testing

**Concepts:** SDLC, Agile/Lean, CI/CD, RESTful APIs, Microservices, Data Pipelines, Scalability, OOP, Design Patterns, Troubleshooting

## CERTIFICATIONS

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- Salesforce Developer Super Set (Apex, LWC, Flows)
- AI Text Summarizer App (Postman API + NLP)
- Python Full-Stack Development – MicroDegree EdTech
- CodeChef: Advanced Java & Data Structures
- UiPath Automation Explorer Training

## ACHIEVEMENTS & LEADERSHIP

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- **Team Lead** – AIET “Code Guardian Program” (2022–2025): Mentored peers on Agile SDLC, DevOps, and Full-Stack Projects.
- Authored the published book “**Whispers of Shadows**” (2023).
- Consistently ranked top 10% in CodeChef and LeetCode contests for algorithmic problem-solving.