

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** Mar 2025 – Jun 2025
Software Application Development Engineer Intern 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)** Mar 2023 – Jun 2023
Salesforce Developer Intern 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

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

- 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

- **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.