

# MAHANTESH PATIL

## Full Stack Developer

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### Summary

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Aspiring Backend/Full-Stack Developer with hands-on experience building production-ready web applications using Java (Spring Boot), React, and Python. Strong focus on Java-based logic development, REST API design, database integration, and clean, scalable backend architecture. Actively seeking Backend or Full-Stack Internship opportunities.

### Skills

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**Languages:** Java (Core/Advanced), Python, JavaScript (ES6+), SQL

**Backend:** Spring Boot, Spring Security, Spring Data JPA, Hibernate, REST APIs, Spring AI, JDBC

**Frontend:** React, Redux, Vite, Tailwind CSS, Framer Motion, HTML5/CSS3

**Databases & Caching:** MySQL, MongoDB, Redis, MongoDB Atlas

**DevOps & Tools:** Docker, Git, GitHub, Maven, Swagger, Postman, Model Context Protocol (MCP)

**Cloud & Deployment:** AWS, Render, Stripe API Integration

### Projects

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**NAVAM – Corporate Service & AI Platform** / *Spring Boot, React, MongoDB, Docker, Spring AI, MCP* **2025**

- **AI-Driven Analytics:** Engineered a project management suite using **Spring AI** and **Gemini** to automate "Project Health Checks," identifying risks with **90% precision** and cutting audit times from hours to seconds.
- **Advanced AI Architecture:** Pioneered **Model Context Protocol (MCP)** to decouple LLM logic from data layers, reducing prompt overhead by **40%** while ensuring secure, real-time access to application state.
- **System Security & UX:** Architected an **RBAC** system with Spring Security/JWT and built a high-performance glassmorphism UI using **Vite** and **Framer Motion**, achieving **90% faster** development cold-starts.
- **Cloud Orchestration:** Managed a multi-container **Docker** environment with **MongoDB Atlas**, ensuring 100% environment parity and eliminating deployment-related configuration drift.

**Full-Stack E-Commerce Ecosystem** / *Java, Spring Boot, React, Redis, Stripe, Docker* **2025**

- **Scalable Backend:** Developed **30+ RESTful APIs** for complex order workflows, implementing **Redis caching** to reduce database load and improve API response times by **60%**.
- **Fintech Integration:** Integrated **Stripe API** for secure PCI-compliant transactions and implemented **JWT-based** session management to secure high-traffic user and admin endpoints.
- **AI Enhancements:** Leveraged **Spring AI** for automated product summarization, improving SEO and catalog discoverability without manual data entry.
- **DevOps Lifecycle:** Containerized full-stack microservices using **Docker**, streamlining CI/CD pipelines for scalable cloud deployment.

### Awards & Certifications

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- **Oracle Cloud Infrastructure 2025 – Certified AI Foundations Associate**
- **Java Spring Boot Full Stack: eCommerce Project Masterclass – Udemy**
- **AWS Academy Graduate – Cloud Foundations / Amazon Web Services (AWS) (2025)**

### Education

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**Bachelor of Technology (B.Tech) – Computer Science and Engineering**

*Sharnbasva University*

**2023 – Present**

*CGPA: 9.0 / 10*