

PRATIK

Bengaluru, Karnataka / pratiktillekar57@gmail.com / +91 9902827441 / [Portfolio](#) / [LinkedIn - Pratik](#) |

github.com/CodeWithPrat

PROFESSIONAL SUMMARY

Innovative Java Full Stack Developer with 1.8 years of experience building high-performance, scalable web applications. Specialized in backend technologies including Java, Spring Boot, Spring MVC, and Hibernate, with advanced frontend expertise in React.js, JavaScript, Bootstrap, and Tailwind CSS. Skilled in SQL database design, ORM implementation, and RESTful API development. Consistently delivers clean, efficient code while collaborating with cross-functional teams to exceed project goals and tight deadlines. Demonstrated ability to improve system performance and user engagement through technical optimization and innovative solutions.

EDUCATION

Acharya Institute of Technology, Bachelor of Engineering in Computer Science

August 2019 – June 2023

• CGPA: 7.85 (Transcript)

WORK EXPERIENCE

Central Manufacturing Technology Institute – Govt. of India –Bengaluru

March 2024 – Present

Project Associate - 1 (Java Full Stack Developer),

- Architected and implemented high-performance software solutions that enhanced system efficiency by 27% through optimized code and database query refinement.
- Led the development of 3 complex client-facing applications using **microservices architecture**, meeting all business requirements while reducing deployment time by 30%.
- Engineered responsive user interfaces using **React, Tailwind CSS, and animation libraries** that increased user engagement metrics by 25% and reduced bounce rates.
- Established secure authentication systems using **JWT and Spring Security** that reduced unauthorized access attempts by 98%, protecting sensitive data for 1,500+ active users while maintaining login response times under 300ms.
- Collaborated with **R&D teams** to evaluate and integrate 5+ emerging technologies, contributing to the organization's innovation roadmap and strategic initiatives.
- Mentored and managed 2 interns, setting coding standards and applying **Agile** to improve delivery timelines.
- Created comprehensive system architecture documentation and technical specifications that decreased onboarding time for new team members by 65% (from 2 weeks to 4.5 days) and improved cross-team collaboration efficiency by 35%.

KodNest – Bengaluru

Java Full-stack Development intern

July 2023 – March 2024

- Intrigued high-performance web applications using **Java Spring Boot, Hibernate ORM, and React.js**, resulting in 40% faster page load times and 25% increased user engagement metrics.
- Optimized database performance by redesigning **SQL** queries and implementing **MongoDB** aggregation pipelines, reducing query response time by 50% and improving overall system efficiency.
- Developed and Combined 12+ **RESTful APIs** with 99.8% uptime, decreasing frontend-backend communication overhead by 35% while following industry best practices for API design and security.
- Cooperated within an Agile team of 8 engineers through full development lifecycle, reducing sprint planning time by 20% through boosted requirement documentation.

PROJECTS

- Machine Tool Condition Monitoring Edge Module Dashboard** Live
 - Achieved a real-time dashboard for monitoring industrial machine tool conditions with 99.8% uptime using IoT sensors and edge computing technologies. Incorporated data visualization components with React.js and integrated backend APIs to process sensor data for predictive maintenance.
- Integrated Smart Foundry 4.0 dashboard** Live
 - Generated a comprehensive dashboard for foundry operations monitoring that integrates 6+ data sources into a unified interface. Built scalable architecture using Spring Boot microservices and React.js frontend, processing 10,000+ hourly data points with <500ms response time.
- Blogging Application** Code
 - Managed a full-featured blogging platform with user authentication, content management, and commenting functionality. Utilized Spring Boot for backend services and React.js for a responsive frontend, incorporating RESTful APIs and JWT authentication, supporting 500+ concurrent users in performance tests.

- iv. **Smart Contact Manager** [Code](#)
- a. Designed and delivered a contact management application with advanced search, categorization, and sharing capabilities. Leveraged Spring Boot for business logic and data persistence, with React.js for interactive UI, reducing contact retrieval time by 60%.
- v. **Heart disease detection Based on Machine Learning (Deep-CNN) from ECG signal.**
- a. Composed an ML-based application that analyzes ECG signals with 92% accuracy in detecting potential heart diseases using Deep Convolutional Neural Networks. Applied data preprocessing, model training, and a user interface for medical professionals to interpret results.
- vi. **E-commerce project using Java Spring boot MVC with ReactJs.**
- a. Built a full-featured e-commerce platform with product catalog, shopping cart, user authentication, and payment processing integration. Enforced a microservices architecture with Spring Boot backend and React.js frontend for achieving 2.5s average page load time.
- vii. **Music application using Java Spring boot MVC with ReactJs.**
- a. Constructed a streaming music application featuring user playlists, artist profiles, and recommendation algorithms. Developed RESTful APIs with Spring Boot for content delivery and user data management, optimizing for 5,000+ concurrent streaming sessions.

Certificates And Achievements

- Java Full Stack Development with Reactjs Training from KodNest
- Web Development certification from GreatLearning
- AWS Academy Cloud Foundations
- iNeuron.ai Hackathon
- Secured 1st place in Final Year Project Presentation in the Computer Science and Engineering Department.
- Delivered 2 business applications as a freelancer, showcasing end-to-end development and client satisfaction.

TECHNICAL SKILLS

- **Programming Languages:** Java, JavaScript, HTML5, CSS3
- **Frontend Development:** React.js, Bootstrap, Tailwind CSS, Responsive Design
- **Backend Development:** Spring Boot, Spring MVC, Hibernate ORM, RESTful APIs, JWT Authentication
- **Databases:** SQL, MongoDB, PostgreSQL, Database Design, ORM Implementation
- **Cloud Services:** AWS (Amazon Web Services)
- **System Architecture:** Microservices, Event-Driven Architecture, Scalable Systems Design
- **DevOps & Infrastructure:** High Availability Systems, Load Balancing, Caching (Redis)
- **Data Management:** Database Sharding, Message Queues (Kafka, RabbitMQ)
- **Development Tools:** Git, GitHub, VS Code, JIRA
- **Professional Skills:** Agile Methodology, Cross-functional Collaboration, Technical Documentation, Time Management
- **Soft Skills:** Problem-solving, Communication, Team Leadership, Adaptability, Attention to Detail

Languages

Kannada (Native), English, Hindi, Marathi