ADITYA WADKAR

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SUMMARY

A Computer Science graduate and a quick learner who adapts to new technologies. Seeking an entry-level opportunities role to contribute to innovative software solutions while continuing to expand technical expertise and drive real impact.

TECHNICAL SKILLS

Languages: Java, SQL
Frameworks & Libraries: JDBC, Hibernate, Servlets, JavaServer Pages, Spring/Spring Boot
CSE Fundamentals: Data Structures & Algorithms, Object Oriented Programming, Database Management Systems
Development Tools: Git/GitHub, Visual Studio Code, Eclipse, SpringToolSuite4, Postman, Swagger UI
Soft Skills: Adaptability, Team Collaboration, Communication

EXPERIENCE

Java Full Stack Development Intern
KodNest Technologies
Feb 2025 – Nov 2025
Bengaluru, India

- Gained hands-on experience in Java, SQL, APIs, JDBC, Hibernate, Servlets/JSP and Spring Boot.
- Debugged and resolved issues related to database connectivity, Hibernate configuration and API failures, improving backend reliability during practice projects.
- Assisted peers by helping them connect JDBC/Hibernate, fixing code errors and explaining root-cause solutions - demonstrating strong communication and support skills.
- Developed multiple mini-projects that strengthened development, debugging and problem-solving abilities.

PROJECTS

Employee Management System – REST API

- Developed a complete RESTful backend with Controller–Service–Repository architecture
- Integrated Spring Data JPA for seamless database operations and exception handling for improved API reliability
- Integrated Bean Validation for input sanitization and data integrity, reducing invalid data entry by implementing constraint annotations
- Integrated Swagger/OpenAPI documentation to improve API usability and help users understand endpoint functionality
- Configured production-ready detailed logging using SLF4J and Logback for effective debugging, error tracking and system monitoring
- Tested all API endpoints using Postman, identified and fixed bugs related to HTTP status codes, request/response formatting and validation errors
- Technologies: Java 21, Spring Boot, MySQL, JPA/Hibernate, Maven, Swagger/OpenAPI, Postman

AI-Based Blood Group Detection

- Built a deep learning model using CNNs to identify blood groups from fingerprint biometrics with 73.5% accuracy
- Collected and processed 4,000+ fingerprint samples using the Mantra MFS100 Scanner for model training
- Applied image preprocessing with OpenCV and trained the model for 20 epochs on a Kaggle and Custom dataset
- Deployed the system via Flask, enabling real-time blood group detection through a user-friendly web interface
- **Technologies:** Python, Flask, Kaggle, OpenCV, HTML5, CSS3, JavaScript, Mantra MFS100 Biometric Scanner

ConstructDB: Integrated CRUD-Enabled Construction Project Management Platform

- Created comprehensive project management database system using MySQL
- Implemented full CRUD functionality for construction project data management
- Developed responsive frontend interface using HTML5, CSS3
- **Technologies:** MySQL, PHP, HTML, CSS

EDUCATION

Jain College of Engineering, Belagavi
Bachelor of Engineering in Computer Science
2021 – 2025
CGPA: 7.77

KLE Independent College, Nipani
Senior Secondary (Class XII)
2019 – 2021
Percentage: 85.83

KLE CBSE School, Nipani
Secondary (Class X)
2009 – 2019
Percentage: 82.60

CERTIFICATES

Data Structures & Algorithms (DSA) with Java — Apna College

Oracle Cloud Infrastructure 2025 Certified AI Foundations Associate — Oracle

ACHIEVEMENTS

- Final year major project "SMART BLOOD GROUP DETECTION USING FINGERPRINT BIOMETRIC" was officially selected for sponsorship under the KSCST 48th Series of the Student Project Programme (SPP) 2024-2025.