

# UJWAL AMBALDHAGE

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## SUMMARY

Computer Science undergraduate with strong expertise in Java and backend development using Spring Boot, REST APIs, and relational databases. Experienced in building full-stack applications with a focus on clean code, scalable architecture, and secure authentication mechanisms. Seeking software development roles to leverage problem-solving skills and contribute to scalable systems.

## EDUCATION

- Vellore Institute of Technology** CGPA: 8.18/10.0  
*Bachelor of Technology in Computer Science and Engineering* Aug 2022 — July 2026  
**Courses:** Operating Systems, Data Structures and Analysis of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases, Software Engineering

## TECHNICAL SKILLS

- Programming Languages:** Java, C++, JavaScript, TypeScript, SQL, Python
- Backend Technologies:** Spring Boot, Microservices, Spring Security, Spring Data JPA, Hibernate, RESTful APIs, Angular, Angular Material
- Database & Tools:** MySQL, PostgreSQL, Git, Docker, Maven, IntelliJ IDEA, VS Code, Postman
- Core Competencies:** Full-Stack Development, API Design, JWT Authentication, CRUD Operations, Agile Methodologies
- Supporting Skills:** SaaS & CRM Concepts, Workflow Automation, API Walkthroughs, Technical Documentation, Cross-Functional Collaboration

## PROJECTS

### PetCare Management System | *Spring Boot, Angular, REST API, MySQL*

- Designed a full-stack pet clinic platform supporting scheduling and record management for 1000+ pets, owners, and appointments in a relational database.
- Implemented RESTful APIs with Spring MVC and JPA to perform CRUD operations, reducing manual data entry time by an estimated 60% for end users.
- Optimized MySQL queries and indexing strategies, cutting average response time for key endpoints by roughly 30% during local load testing.

### Breast Cancer Diagnosis | *Python, CNN, Spring Boot, Angular, REST API, MySQL*

- Developed an end-to-end healthcare web application that predicts benign vs malignant breast tumors from histopathology images using a convolutional neural network (CNN) trained on a public Kaggle dataset (10k+ images).
- Implemented and trained the image-classification model in Python using TensorFlow/Keras, achieving ~95% validation accuracy for binary cancer classification through data augmentation and hyperparameter tuning.
- Built a responsive frontend in Angular for clinicians to upload images, view prediction confidence scores, and review past reports, reducing manual review time per case in testing scenarios.

## EXPERIENCE

- Open Source Contributor** — Apache June 2025 — Present  
Actively contributing to Apache open-source projects by reviewing GitHub issues, participating in feature discussions, and submitting pull requests to resolve bugs and improve existing functionalities.

## ACHIEVEMENTS

- Strengthened core algorithmic and problem-solving skills by consistently solving and contributing solutions to the LeetCode community in Java, achieving a 200+ day daily streak and solving nearly 500+ DSA problems in 2025

## CERTIFICATIONS

- Oracle Certified Foundations Associate, Java** Exam 1Z0-811 — Apr 2025  
[Verification Link](#)
- Oracle Certified Professional: Java SE 17 Developer** Exam 1Z0-829 — Aug 2025  
[Verification Link](#)

## VOLUNTEER EXPERIENCE

- Health-O-Tech Club, VIT Bhopal** — Content Team Member Aug 2022 — Apr 2023  
Collaborated on content creation for club events, newsletters, and social media to promote health-tech initiatives on campus.
- Telugu Club, VIT Bhopal** — Event Team Member Aug 2023 — Mar 2024  
Coordinated cultural events and performances, managing logistics and team coordination.

## ADDITIONAL INFORMATION

- Languages:** Telugu (Native), Marathi, Hindi, Kannada, English