

Dinesh Karajagi

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[LinkedIn](#) | [GitHub](#) | [Leetcode](#)

Education

Adarsha Vidyalaya (RMSA), Vijayapura

Higher Primary Education
Percentage: 87%

2019

Tungal PU College, Vijayapura

Pre-University Education
Percentage: 93%

2021

KLE Institute of Technology, Hubli

Bachelor of Engineering in CSE
CGPA: 8.64 / 10

2025

Technical Skills

- **Languages:** Java, Python(ML Fundamentals), SQL, JavaScript.
- **Frameworks/Technologies:** Advanced Java, JEE, Hibernate, Spring, Spring-Boot, React.js, Flask.
- **Databases:** MySQL, MongoDB.
- **Tools:** Git, GitHub, Eclipse IDE, VS Code, Google Collab, Maven, Docker.
- **Core Concepts:** OOP'S, DBMS, Computer Networks, Operating Systems, Machine Learning, Data structures and Algorithms.

Professional Experience

AIML Intern — Roonan Technologies

Oct 2024 – Jan 2025

- Engineered scalable ETL pipelines using Python (Pandas, NumPy) and SQL, ensuring 97%+ accuracy on 16K+ records.
- Trained ML models for classification and regression with 85%+ precision, reducing manual decision-making time by 30%.
- Automated data ingestion and transformation workflows, increasing throughput by 20% and reducing latency by 15%.

Java Full Stack Developer Trainee — TAP Academy

Apr 2025 – Nov 2025

- Built a strong foundation in programming through learning, applying analytical and problem-solving skills to real-world scenarios.
- Gained hands-on experience in Core Java, Advanced Java (JDBC ,JEE, Spring, Hibernate, Spring-Boot, React) and MySQL technologies.
- Understood and implemented full-stack development by integrating front and back-end technologies to create web applications.

Projects

Rice Plant Leaf Disease Predictor (ML Application)

[GitHub](#)

- Implemented an AI-powered detection system using VGG16 and XGBoost classifying 8 rice leaf diseases with over 92% accuracy.
- Processed 5,000+ labeled images and implemented image preprocessing techniques to improve model performance by 15%.
- Integrated a React.js frontend with Flask backend, enabling predictions under 3 seconds per image.

Note App (Full-Stack Application)

[GitHub](#) | [Live](#)

- Created a full-stack note-taking web app with Java, JEE and Hibernate and MySQL for 100% CRUD functionality.
- Enabled secure user login and note syncing across sessions; achieved load times under 2s on mobile and desktop.
- Deployed REST APIs with error handling and modular routing, reducing server response time by 30%.

Collab IDE – Real-time Code Editor

[GitHub](#) | [Live](#)

- Developed a live collaborative code editor enabling multi-user editing with sub-second WebSocket sync using Socket.io.
- Added support for real-time backend code execution in 4+ languages using sandboxed environments.
- Designed a responsive UI with React.js and CSS and integrated user presence indicators and internal chat.

Certifications

- Java Full-Stack Development - TAP Academy, (2025)
- AIML Certification - NSDC, (2025)
- 250+ Days Japanese Language Learning Streak – Duolingo, (2025)