

Dinesh Karajagi

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LinkedIn [↗](#) | GitHub [↗](#) | Portfolio [↗](#)

Education

KLE Institute of Technology, Hubli

Bachelor of Engineering in Computer Science and Engineering

CGPA: 8.49 / 10

2025

Tungal PU College, Vijayapura

Pre-University Education

Percentage: 93%

2021

Adarsha Vidyalaya(RMSA), Vijayapura

Secondary High-School

Percentage: 87%

2019

Technical Skills

- **Languages:** Core Java, C, Python
- **Frameworks & Technologies:** React.js, Node.js, Express.js, Flask
- **Web Development:** HTML5, CSS3, JavaScript, (Frontend & Backend)
- **Databases:** MySQL, MongoDB
- **Tools & Platforms:** Git, GitHub, VS Code, Google Colab, Jupyter Notebook, Postman, Replit
- **Core Concepts:** Data Structures, Object-Oriented Programming (OOP), Database Management Systems (DBMS), Computer Networks, Operating Systems, Machine Learning

Professional Experience

AIML Intern — Rooman Technologies

Oct 2024 – Jan 2025

- Designed 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%.

Projects

Rice Plant Leaf Disease Predictor (ML Application)

[GitHub](#)

- Built 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](#) | [↗](#)

- Developed a full-stack note-taking web app with React.js, Node.js, and MongoDB 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](#) | [↗](#)

- 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 Tailwind CSS and integrated user presence indicators and built-in chat.

Certifications and Achievements

- Python Programming Certification – Udemy, 2023 [↗](#)
- AI and Machine Learning Certificate – NSDC, 2025 [↗](#)
- 100+ Day Japanese Language Learning Streak – Duolingo, 2025