




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

2021 – Present

Tungal PU College, Vijayapura

Pre-University Education
Percentage: 93%

Graduated: 2021

Technical Skills

- **Languages:** C, Python, Core Java, JavaScript
- **Frameworks/Technologies:** React.js, Node.js, Express.js, Flask.
- **Web Development:** HTML5, CSS3, JavaScript, Tailwind CSS, Frontend/Backend
- **Databases:** MySQL, MongoDB
- **Tools:** Git, GitHub, VS Code, Colab, Jupyter, Postman, Replit
- **Core Concepts:** DSA, OOP, DBMS, Computer Networks, Operating Systems, Machine Learning

Professional Experience

AIML Intern — Rooman Technologies

Oct 2023 – Jan 2024

- 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 & Achievements

- Python Programming
- AIML Learner Certification
- 100 days+ Learning Japanese Streak on Duolingo