

NIVAS MIDIDHODI

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Trainee Software Engineer specializing in Agentic AI and Intelligent System Design, skilled in developing, integrating, and deploying AI-powered full-stack applications using modern frameworks

PROFESSIONAL EXPERIENCE

Zennial Pro Pvt Ltd

Sep 2025 – Present

Trainee Software Engineer

- Undergoing intensive training in Agentic AI systems, building intelligent agents for autonomous decision-making and workflow automation.
- Implementing a full-stack AI-integrated web application using FastAPI backend and LLMs to add intelligent features via prompt engineering.
- Tech Stack: Python, FastAPI, Large Language Models (LLMs), REST APIs, Prompt Engineering

ASR Tech

Mar 2025 - Aug 2025

Intern - Frontend Development

- Built a role-based school management system with multi-tenant architecture and secure authentication.
- Enhanced frontend performance using code-splitting and memoization, improving page load speed by 35%.
- Tech Stack: React.js, React Hooks, REST APIs, Git/GitLab.

Ekincare

Jul 2024 - Nov 2024

Intern - Operations

- Managed backend data operations through CRM dashboards, improving data accuracy by 25%.
- Coordinated with cross-functional and clients to streamline reporting and reduced processing time by 15%.

Oculus Regenerus Biotechnologies Pvt Ltd

Mar 2024 - Jul 2024

Intern - Research & Data Operations

- Executed end-to-end data operations for ophthalmic research—data compilation, cleaning, and annotation.
- Assisted in AI-based image analysis and validation, improving classification accuracy by 12%.
- Tech Stack: Python, Excel, Machine Learning, OpenCV, Data Preprocessing

EDUCATION

Malla Reddy Institute Of Engineering and Technology (JNTUH)

2020-2024

B.Tech in Computer Science and Engineering

CGPA : 7.3

SKILLS & OTHER

- Programming Languages : Python, Java.
- Frontend : HTML, CSS, JavaScript , React
- Backend : Fast API ,REST API's
- Databases : MySQL , PostgreSQL
- AI : Machine Learning Fundamentals, LLMs Prompt Engineering
- Tools : Git, GitHub, Postman, CRM
- Soft Skills : Problem - Solving, Analytical Thinking, Team Collaboration

PROJECTS

Big Mart Sales Prediction | Predictive Analytics

- Developed a sales forecasting model using Linear & Ridge Regression with detailed EDA, feature engineering, and preprocessing to predict store sales.
- Achieved R^2 score improvement of 15% after model tuning and data scaling.
- Tech Stack: Python, Scikit-learn, Pandas, Matplotlib

Bone Tumor Detection | Medical Image Classification

- Designed a deep learning-based classifier using SVM and CNN to detect bone tumors with 85% accuracy.
- Applied OpenCV preprocessing and TensorFlow model optimization for efficient training.
- Tech Stack: Python, TensorFlow, OpenCV, Scikit-learn

Employee Management System | Full-Stack Web Application

- Developed a role-based employee management system with secure authentication and responsive UI.
- Integrated Spring Boot REST APIs with a React frontend, improving system responsiveness by 25%.
- Tech Stack: React.js, Spring Boot, MySQL, Postman

CERTIFICATIONS

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| • Agile Explorer | - IBM SkillsBuild (Oct 2025) |
| • ChatGPT Prompt Engineering for Developers | - Deep Learning. AI (April 2024) |
| • Introduction to Large Language Models | - Google Cloud (September 2023) |
| • Python Essentials 2 | - Cisco Networking Academy (June 2023) |
| • Machine Learning | - Bharat Intern (July 2023) |

ACHIEVEMENTS

- Achieved 5 star rating on HackerRank in Python, Java, and SQL (Basic).
- Led a team of 4 in academic projects, ensuring successful design, development, and delivery.

RESEARCH INTERESTS

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| • Artificial Intelligence & Machine Learning | • Agentic Systems |
| • Natural Language Processing | • Cloud Computing |