

# Deepak Paragi

Final-Year B.E. Student – Artificial Intelligence & Machine Learning  
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## Professional Summary

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Final-year Artificial Intelligence & Machine Learning engineering student with hands-on experience in full-stack web development, REST API integration, and AI-powered application development. Strong foundation in Python, SQL, data structures, and core computer science subjects including DBMS, operating systems, and computer networks. Proven ability to build, deploy, and maintain real-world applications and collaborate effectively in team environments. Actively seeking Software Engineer and Full Stack Developer internship opportunities.

## Technical Skills

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**Programming Languages:** Python, SQL, JavaScript

**Web Technologies:** HTML, CSS, JavaScript, RESTful APIs

**Frameworks & Libraries:** Basic React.js, API-based AI tools

**Data Structures & Algorithms:** Arrays, Strings, Linked Lists, Stacks, Queues, Hashing, Recursion, Time & Space Complexity

**Computer Science Fundamentals:** Object-Oriented Programming, DBMS (SQL, relational design), Operating Systems (processes, threads, memory basics), Computer Networks (OSI, TCP/IP, HTTP/HTTPS)

**AI / Machine Learning:** Machine learning fundamentals, supervised and unsupervised learning concepts, AI-assisted application development

**Tools & Platforms:** Git, GitHub, VS Code, Postman, Jupyter Notebook, Vercel

## Internship Experience

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### Full Stack Developer Intern

Feb 2023 – Jun 2023

GTTC, Hubli, Karnataka

- Developed and enhanced a web-based music streaming application with structured navigation and responsive UI components.
- Implemented frontend features and integrated REST APIs to fetch and display dynamic content.
- Performed API testing and validation using Postman to ensure reliable backend responses.
- Assisted in SQL-based database operations, maintaining data consistency across application modules.
- Used Git and GitHub for version control and collaborative development in a team-based environment.
- Gained hands-on experience with the software development lifecycle and agile-style workflows.

## Projects

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### Music Streaming Web Application

- Designed and developed a full-stack music streaming platform with clean UI and structured navigation.
- Implemented song listing, search functionality, and categorization features.
- Integrated REST APIs for dynamic data retrieval.
- Applied database concepts for efficient data storage and retrieval.

### AI Fitness Coach Web Application

Live Demo

- Built an AI-powered fitness assistant delivering personalized workout guidance through a web interface.
- Integrated AI APIs to generate intelligent, user-specific responses.
- Developed responsive and interactive UI components.

- Deployed and maintained the application using Vercel.

#### **Website Development for Instagram Business**

- Developed and deployed a business website based on stakeholder requirements.
- Iteratively improved features using feedback and usability analysis.

#### **AI-Based Energy Consumption Analysis (Academic Project)**

- Analyzed real-world energy consumption datasets using Python.
- Performed data preprocessing and exploratory analysis to identify usage patterns.
- Interpreted results to support data-driven conclusions.

### **Education**

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<b>Bachelor of Engineering – Artificial Intelligence &amp; Machine Learning</b>	2023 – 2026
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NMIT, Bengaluru, Karnataka

#### **Diploma in Engineering**

2020 – 2023

Government Polytechnic, Gadag, Karnataka

### **Certifications**

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- Python Programming – Udemy
- Database Management Systems – Infosys Springboard
- Introduction to Machine Learning – Great Learning