



KRISHNA NITIN MANTRI

B.E. - Electronics & Telecommunication Engineering

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BRIEF SUMMARY

Motivated and detail-oriented 4th-year B.E student with a strong foundation in backend and full-stack web development. Skilled in Python, Django, FastAPI, and REST API design, with ongoing experience in building scalable applications and learning modern frontend frameworks like React. Completed multiple impactful projects including an E-commerce platform, a Machine Learning-based Insurance Premium Predictor, and a Task Management app using React.js. Gained practical exposure through an internship working at a City Service Link firm and participation in the Smart India Hackathon (SIH). Passionate about backend engineering, AI/ML integration, and developing user-centric solutions. A quick learner and problem solver with strong communication skills, teamwork capabilities, and patience under pressure. Open to opportunities in backend, full-stack, AI-driven, or analytical roles, including internships and remote positions.

KEY EXPERTISE

Django Django REST Framework Python HTML5 CSS Analysis FastAPI Github Flask Machine Learning

EDUCATION

Dr. D. Y. Patil Institute of Technology

2026

B.E. - Electronics & Telecommunication Engineering | CGPA: 8.88 / 10

Mahatma bashweshwar college, Nanded-Waghala

2022

12th | MSBSHSE | Percentage: 87 / 100

Podar International School, Parbhani

2020

10th | CBSE | Percentage: 93 / 100

INTERNSHIPS

City Service Link | IT Product & Services

26 Dec, 2024 - 25 Jan, 2025

Web Developer Trainee

Key Skills: Python REST HTML5 CSS DRF Django SQLite

The Service link web application successfully addresses the need for an efficient and reliable worker booking system. By integrating secure authentication, automated cost calculation, and role-based access control, the platform provides a seamless experience for both customers and workers.

This project demonstrated the ability to develop a scalable, user-friendly, and secure web application using Django. The system effectively connects users with service providers, ensuring efficient service booking and profile management.

With its well-structured backend, optimized frontend, and secure data handling, Service link is a practical and scalable solution for the home service industry.

PROJECTS

Crop_recommendation_system

02 Sep, 2025 - 10 Oct, 2025

Key Skills: python scikit Pandas NumPy HTML5 CSS

Project Link: https://github.com/Krishna-Mantri/Crop_recommendation_system

This project is a Crop Recommendation System that uses machine learning to recommend the most suitable crop to cultivate based on environmental and soil parameters such as nitrogen, phosphorus, potassium levels, temperature, humidity, pH value, and rainfall.

Insurance_Premium_Predictor

28 Aug, 2025 - 10 Sep, 2025

Key Skills: FastAPI Uvicorn Python Scikit-Learn NumPy Pandas Pydantic

Project Link: https://github.com/Krishna-Mantri/Insurance_Premium_Predictor

The Insurance Premium Predictor leverages machine learning techniques to predict insurance premium amounts accurately. It uses a specific dataset related to insurance cases and applies data processing and predictive modeling to forecast premium costs. This tool aids users and companies in understanding and estimating insurance premiums effectively, facilitating better decision-making in the insurance domain.

Mentor: Sudeshna Baliarsingh | Team Size: 3

Key Skills: python Flask AIML ReactJS IOT HTML5 CSS

Project Link: https://github.com/Krishna-Mantri/Cardio_link

Technologies: Python, CNN+LSTM, ESP32, MAX30100, Supabase, Flask, React, Matplotlib

Designed and developed a real-time cardiac monitoring system integrating IoT and AI to detect heart anomalies using data from MAX30100 sensors (SpO₂, heart rate, HRV). Built and trained a CNN+LSTM model to classify anomalies based on ECG patterns. Deployed a Flask API to process sensor data from Supabase, generate dynamic visualizations, and create PDF health reports. Integrated a React frontend to trigger analysis and display results. Supported both simulated and real-time patient data streams for testing and future deployment.

Ecommerce Platform

10 Sep, 2024 - 14 Nov, 2024

Key Skills: Django Django REST Framework SQLite HTML5 Tailwind CSS Javascript

Project Link: <https://github.com/Krishna-Mantri/Ecom>

Built a fully functional e-commerce web application featuring user authentication, product catalog, shopping cart, and order management. Integrated Razorpay payment gateway to enable secure online transactions. Developed RESTful APIs for handling product listings, cart operations, checkout, and payment verification. Included admin capabilities for inventory and order tracking. Emphasized user-friendly interface design and responsive layout to ensure smooth shopping experience across devices.

ACHIEVEMENTS

- Department Cricket Team Player , District level Football Player, Abacus level 2 achiever, Model United Nations Participant , SIH participant

ASSESSMENTS / CERTIFICATIONS

Machine Learning

Key Skills: Machine Learning

An integrated learning program for students on key Machine Learning (ML) topics including Supervised Learning, Deep Neural Networks, Dimensionality Reduction, Unsupervised Learning, Generative AI and LLMs, Sequential Learning, Causal Inference and Reinforcement Learning.

MATLAB Onramp

Key Skills: MATLAB

Fundamentals of MATLAB including basic syntaxes, variables used and technicals.

Data Analytics

Key Skills: Tableau

PERSONAL INTERESTS / HOBBIES

- Cooking, Cricket, Football, Stock Market analysis, Trekking, Binge watching

WEB LINKS / IMs

- WhatsApp - 9503389500
- Github - <https://github.com/Krishna-Mantri>

PERSONAL DETAILS

Gender: Male

Marital Status: Single

Current Address: Rohan Heights, Mahesh Nagar Pimpri, Pune, Maharashtra, India - 411018

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Date of Birth: 29 Apr, 2004

Known Languages: English, Hindi, Marathi, Marwadi

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