

# Sanyukta Deshmukh

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Github

LinkedIn

## PROFESSIONAL SUMMARY

Software developer with a B.Tech in Computer Science. Skilled in various aspects of development and programming, with proficiency in designing scalable and efficient solutions. Currently working in .NET technologies and C# for backend development and REST APIs. Actively expanding expertise in machine learning, deep learning, generative AI, and Power BI to build innovative, data-driven solutions. A quick learner passionate about solving complex problems and collaborating to deliver impactful solutions.

## EDUCATION

### Inttrvu.ai

Data Science, Machine Learning and AI, Mar 2024

### TSSM's BSCOER, Savitribai Phule Pune University

Bachelor of Computer Science

Jun 2019-Jul 2023

CGPA: 8.5

## TECHNICAL SKILLS

- cPython, C, C#, JavaScript
- Machine Learning, Deep Learning, Generative AI, Power BI
- MongoDB, MySQL
- React, .NET
- Git, Postman, VS Code, Visual Studio, Jupyter
- OOPs, RESTful API, HTML, CSS

## CERTIFICATION

- Data Science & AI Certification: inttrvu.ai
- C & cpython: Core to Web
- DSA: Core to Web

## PROJECTS

### Generative AI

- RAG-Based Generative AI System: Developed a chatbot using LangChain, Google Generative AI, and FAISS to provide accurate, context-aware answers based on financial and operational risk guidelines issued by the Reserve Bank of India (RBI). Leveraged embedding techniques to enable efficient knowledge retrieval from PDFs, assisting users in understanding and navigating complex RBI regulations and guidelines.

### Machine Learning

- Heart Disease Detection: Built a predictive model using XGBClassifier to detect heart disease based on patient data of 3.2 lakhs patient's entries based on 18 parameters. Optimized performance through feature selection, hyperparameter tuning, and data preprocessing, achieving high accuracy.
- Insurance Price Prediction: Developed a regression model using RandomForestRegressor to predict health insurance prices based on customer data, the dataset used consist of 1 million entries based on 12 features. Improved accuracy through data preprocessing, feature engineering, and hyperparameter tuning.

### Natural Language Processing

- Review Analysis: Analyzed TripAdvisor reviews, performed text data cleaning on customers reviews, followed by sentiment analysis using TF-IDF and TextBlob. Applied clustering to group similar reviews and identified key positive and negative keywords to help businesses improve their services based on customer feedback.

### Deep Learning

- Stock Price Prediction: Developed a stock price prediction model using LSTM networks to forecast Apple Inc. stock prices based on the last 15,000 days of historical data. Applied time series analysis to identify trends and patterns, enhancing prediction accuracy.

### Full Stack Applications- Zomato Clone (Web Development)

- Food Ordering work platform. I implemented it using MERN stack. Multiple functionalities (listing, updating, ordering, tracking) for both owner and customers are provided.

## PROFESSIONAL EXPERIENCE

### Backend Developer

Esko Graphics India Private Limited

July 2024 - Ongoing

- Developed and maintained APIs, optimized backend systems, and ensured seamless data flow using C#, .NET, and SQL to deliver efficient solutions.
- Created and designed APIs using C# and .NET to enable communication between software systems.
- Integrated APIs with databases using SQL to fetch, update, and manage data effectively.
- Conducted API testing and debugging to ensure proper functionality and performance.

### CPQ Support/Operations

Vodafone

Aug 2023 - Mar 2024

- Managed SRs across multiple markets in the CPQ Support team, assisted with sprint migrations, contributed to FDR requirements, and designed an automation flow using CPQ REST APIs, reducing unit testing efforts by 70%.