

Summary

As a proactive and highly effective AI Developer and Data Analyst, I have a consistent history of leveraging machine learning and predictive analytics to drive key business outcomes. I am recognized for delivering impactful AI solutions, including a 12.7% year-over-year revenue increase, and for providing valuable insights that inform strategic decision-making. My expertise spans front-end and back-end development (React/Next.js, Python, C#, C++) and advanced data science methodologies (TensorFlow, Scikit-learn, etc.). I excel at collaborating with cross-functional teams to address complex business challenges, optimize workflows, and enhance customer satisfaction. I am committed to continuous learning and contributing to the advancement of AI innovation.

Skills

- **Programming Languages:** Python, C#, SQL
 - **AI & Data Science:** TensorFlow, PyTorch, Scikit-learn, Keras, Pandas, NumPy, Matplotlib, Seaborn, NLP, Machine Learning, Deep Learning, Predictive Analytics, Time-Series Forecasting
 - **Web Development & Frameworks:** React, Next.js, Node.js, REST APIs, HTML, CSS, Tailwind CSS
 - **Cloud & Databases:** Firebase, MongoDB, MySQL, PostgreSQL, Google Cloud Platform
 - **Tools & Software:** Git, GitHub, Figma, Excel (Advanced Automation) Jupyter Notebooks, Tableau, Power BI
 - **Other Skills:** Agile Methodology, Data Cleaning, Feature Engineering, Model Deployment, CRM Tools, Sales Forecasting
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Professional Experience

Data Scientist | Amit Suppliers | January 2024 – March 2025

- Conducted advanced data analysis to optimize customer segmentation, leading to a 12.7% increase in conversion rates.
- Built and maintained automated Python pipelines, streamlining data processing and saving 10+ hours per week in reporting time.
- Developed and implemented machine learning models for predictive analytics, improving demand forecasting accuracy and reducing stock-outs by 12%
- Created interactive dashboards and applied statistical models to deliver actionable insights aligning business strategies with market trends.

Data Scientist | Om Bhagawati Traders | September 2021 – Nov 2023

- Boosted quarterly revenue by 15% through the development of AI-driven sales forecasting models, accurately predicting customer demand and market trends.
- Developed interactive data visualization dashboards, enabling real-time KPI monitoring and delivering actionable insights to senior leadership

Front-End Developer | Om Bhagawati Traders | January 2020 – September 2021

- Engineered responsive UI components with React/Next.js, enhancing website performance and reducing load time by 40%.
 - Delivered projects within Agile sprints, contributing to timely releases.
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Technical Projects

Language Learning Model | Python, TensorFlow, React, REST APIs

- Created an LLM to optimize student learning outcomes using Socratic Method.
- Developed a web application for the model using Next.JS, React, REST APIs, integrating firebase, and Google Cloud Platform.

AI-Driven Sales Forecasting & Market Trend Analysis | Python, Machine Learning, Pandas

- Built and deployed machine learning-based sales forecasting models.
- Leveraged regression techniques and time-series analysis for accurate market trend predictions.

Imbalanced Data Handling and Classification | Python, Scikit-learn, SMOTE

- Applied oversampling techniques to improve customer segmentation models, increasing prediction accuracy.

Otto Group Product Classification Challenge | Python, Scikit-learn, Kaggle

- Built a multiclass classification model to predict product categories based on obfuscated product information, leveraging model selection and feature extraction techniques.

Text Summarizer | NLP

- Implemented sentence scoring based on similarity and word frequency to identify key information.
 - Implemented tokenization, stop word removal, and n-grams (NLTK/Gensim) to enhance summarization accuracy.
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Education

Bachelor of Information Communication Technology Education, Makawanpur Multiple Campus

- Developed an AI Chatbot to provide academic support for students, enhancing engagement and learning outcomes.
 - Relevant Coursework: Data Structures, Web Development, AI Fundamentals.
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Leadership & Awards

STEM Mentor | STEAM Karkhana | 2023: Mentored over 15 students in robotics, leading the team to secure 1st place at the STEM Fair 2023 through innovative project development and teamwork.

Best Position Paper | Model UN 2022: Represented Norway in the ECOFIN committee, winning Best Position Paper for research on "Financial Development in the Era of Pandemic and Beyond."

Languages: Nepali, Hindi: Native || **English:** Professional (IELTS 7.0) || **German:** Basic || **Finnish:** Basic || **Russian:** Intermediate