TRUPTI JAMBHULKAR

Machine Learning Engineer

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Objective

Highly motivated and results-oriented Machine Learning Engineer with **1.5 years** of hands-on experience, specializing in **Machine Learning** and **Generative AI**. Known for a strong work ethic and a passion for mastering new technologies, I am dedicated to driving innovation and excellence in every project. Eager to join a forward-thinking organization that values professional growth and fosters a culture of continuous improvement.

Work Experience

John Deere, Pune

Machine Learning Engineer   Jul 2023 - Present

- Proficient in data modeling using **regression** and **classification** algorithms for pattern discovery.
- Experienced in **predictive analytics**, **data preprocessing**, **statistical modeling**, **API testing, computer vision** and **Generative AI** for future trend predictions.
- Strong technological skills, with expertise in **Deep Learning**, **Natural Language Processing (NLP)** and **Large Language Model (LLM).**
- Continuously explored new algorithms and techniques, resulting in a **20% boost** in model effectiveness and efficiency.
- Train models, evaluate performance, and deploy into production.
- Optimized model performance, collaborated across teams, and stayed updated with research, leading to a **25% improvement**.
- Work closely with Data Scientists, Professional Developers and testers with coding and defect analysis by occurred error.

Abweb Infotech Private Limited, Pune

Machine Learning Intern   Jan 2023 - Jun 2023

- Assist in data preprocessing and model development under supervision.
- Evaluate model performance and contribute to research efforts.
- Collaborate with team members and communicate findings effectively.
- Continuously learn and develop skills in machine learning tools and techniques.

Prowiggle Data Solution Private Limited, Bhandara

Intern Full Stack Web Developer   May 2022 - Nov 2022

- Developing front-end and back-end website architecture.
- Designing user interactions on web pages.
- Worked on end-to-end development of admin panels, creating multiple roles as per client requirements.

Education

Rashtrasant Tukadoji Maharaj Nagpur University

Bachelor of Engineering | CSE

2019 - 2023

Technical Skills

- Machine Learning
- Python
- OOP
- Data Science
- Data Analysis
- AWS
- MySQL & MongoDB
- NumPy & Pandas
- Scikit-Learn
- NLTK / Spacy
- LSTM
- TensorFlow / Pytorch
- Deployment
- Maths & Stats
- Flask Web Framework
- Regex
- Web Technology

Tools & Technology

- Jupiter Notebook
- Agile
- JIRA
- Git & GitHub
- Windows, Conda, VS Code
- Code optimization & Debugging
- Postman
- Excel

Additional Skills :

Core Java, C++, C, Php, Laravel,

Html, Css, JavaScript(Basic)

Personal Details

Language : English, Hindi, Marathi
Gender : Female

Projects

Project 1 : Traffic Detection and Recognition

Machine Learning Engineer

Description :-
German-based company in the peer-to-peer autonomous industry. Developed and implemented a traffic detection system involving the creation of a **computer vision** model capable of identifying and localizing objects in video frames. Created bounding boxes to identify various objects, including vehicles, pedestrians, and traffic signs, making it perfect for object detection.

Project 2 : Advancements in Credit Risk Modeling and Scorecard Evolution

Machine Learning Engineer

Description :-
Canada-based company in the peer-to-peer lending industry. Developed and implemented predictive Credit Risk Models and Scorecards. Achieved reduction in credit loss rate and facilitated faster, accurate credit decisions.

Company 2:

Project 1 : Document Digitization Solutions

Machine Learning Intern

Description :-
The Document Digitization helps the organization to automate the process of converting physical documents into digital formats using Python. Develop Python scripts for accurate text extraction using **OCR** libraries.

Project 2 : Healthcare Financial Forecasting

Machine Learning Intern

Description :-
Utilized regression algorithms to examine historical data, forecasting forthcoming insurance charges by considering factors such as age, BMI, and smoking habits. The model's precision was refined through iterative testing, ensuring the reliability of predictions.

Company 1:

Project 1 : Ecommerce Web Application
Project 2 : Blog Application

Intern Full Stack Web Developper

Description :-
End to end development of admin panel and create multiple role as per clients requirement. These modules are separated by middleware of laravel and admin can fully access all modules.