Divyey Arora
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About Me

B.E. in Artificial Intelligence and Machine Learning with practical experience in Python, TensorFlow, and deep learning. I have built AI-driven solutions across domains like HR analytics, food recognition, customer segmentation, and medical diagnostics. Recently completed an internship as a Software Developer & ML Intern at Mindera India Pvt. Ltd. Passionate about applying machine learning to solve real-world problems and contribute to impactful, innovation-led AI projects.

Education

MVJ College of Engineering, B.E. in Artificial Intelligence and Machine Learning, Sept 2021 – June 2025
CGPA: 8.05/10.00

Industry Experience

AI/ML Intern, Kaay Labs Pvt. Ltd., Chennai, India Mar 2025 - June 2025
- Delivered production-ready projects in ReactJS, FastAPI, and AI/LLM integrations.
- Built web apps using ReactJS, Axios, TailwindCSS, and shadcn/ui.
- Developed REST APIs in FastAPI with SQLAlchemy and Pydantic validation.
- Created AI tools using GPT-4, Claude, Hugging Face, and Gradio.
- Integrated external APIs (OpenAI, Azure, SharePoint).
- Processed data with Pandas/NumPy; implemented semantic search with FAISS & ChromaDB.
- Collaborated using GitHub, JIRA, and Agile practices.

Software Developer, Mindera India Pvt. Ltd., Bangalore, India Nov 2024 - Mar 2025
Project: AI-Driven HR Analytics: Optimizing Leave Forecasting
- Analyzed datasets of timesheet and attendance records, improving data accuracy by 25%.
- Predicted leave trends using ML models (Linear Regression, Random Forest, XGBoost, LSTM).
- Segmented leave types into Planned and Unplanned, aiding policy enhancements.
- Engineered features for improved forecasting accuracy.
- Modeled leave patterns for major festivals based on historical trends.
- Created visualizations to illustrate leave distribution and trends.

Internship Experience

Data Science and ML Intern, Cranes Varsity Pvt. Ltd., Bangalore, India Oct 2023 - Dec 2023
Project 1: Customer Segmentation Based on Financial Transactions
- Implemented K-Means Clustering, PCA, and Autoencoders for customer segmentation.
- Improved retention of bank customers by 25% through targeted marketing campaigns.

Project 2: Gold Stock Prediction

- Developed a machine learning model to forecast gold prices, achieving 85% precision.
- Enhanced model performance by 30% with advanced feature engineering.

Projects
Smart Food Identification & Calorie Tracking System
- Developed a YOLOv8-based food image recognition system, achieving 97–98% accuracy.
- Integrated calorie estimation via portion size analysis and Nutritionix API.
- Designed a recipe recommendation engine using a decision tree model.

Parkinson Detection from Voice Data
- Developed a model for Parkinson's disease detection using voice data.
- Achieved an accuracy of 88.14% and a recall score of 86.76%.

Certifications
- IBM AI Practitioner Certificate
- Enterprise
Design Thinking Practitioner by IBM
- Advanced: Generative AI for Developers Learning Path by Google
- Google Cloud Data Analytics Certificate
- Machine Learning Engineer Learning Path by Google

Technologies
Programming Languages: Python, SQL, Java, C, C++, HTML, CSS, JavaScript
Data Analysis: NumPy, Pandas, Matplotlib, SciPy
Machine Learning: Scikit-learn, TensorFlow, Neural Networks, K-means, PCA, AutoEncoders, LSTM
Cloud Platforms: AWS, Google Cloud Platform (GCP)
AI/ML Frameworks: TensorFlow, PyTorch, Keras

Verification Links:
Github: https://github.com/Divyey
Google:
https://www.cloudskillsboost.google/public_profiles/9212d248-80c1-47d9-84ce-e48f197b75de
Credly: https://www.credly.com/users/divyey-arora