SUNNY MITESH PARMAR
Machine Learning
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PROFESSIONAL EXPERIENCE

Pranjal Bhagwati| Machine Learning Intern   *August* 2023 –January 2024
- Built property listing and market analysis dashboard using Streamlit, Pandas, Matplotlib, Plotly, TensorFlow for data visualization.
- Implemented machine learning models with Transformers and LightGBM for accurate property valuation and pricing, increasing appraisal precision by 32% for precise home, land, and real estate valuations.
- Optimized appraiser scheduling and routing with Reinforcement Learning (PPO, A3C) based on property locations and types, reducing operational costs by 15% and improving on-site evaluation efficiency by 22%.
- Incorporated rigorous testing, documentation, continuous monitoring, and model retraining pipelines to ensure reliable and up-to-date property valuation models and market trend analysis for precise evaluations.

Vitorscape Technologies| AI/Machine Learning Intern   *December* 2022 –May 2023
- Developed predictive maintenance solution using scikit-learn, reducing client system downtime by 25%.
- Implemented NLP pipeline with spaCy, TensorFlow for support ticket analysis, achieving 88% sentiment accuracy for product enhancements.
- Incorporated testing, CI/CD, and model retraining, reducing deployment time by 40% for faster client solutions.
- Automated IT operations with Reinforcement Learning, increasing operational efficiency by 30% across client infrastructure.

EDUCATION

Shah and Anchor Kutchhi Engineering College, Mumbai University, Mumbai, India   **May 2024**
Candidate for Bachelor of Computer Engineering with *Distinction*   **(CGPA 8.68/10)**

ACADEMIC PROJECTS

BHUMI-RAKSHA - Farming Handbook Application | Python, Flutter, Firebase, and AI
- Employed Flutter, Firebase, and Python to create an agricultural app that can identify profitable crops, diagnose crop diseases, offer solutions, recommend crops as per soil analysis, and translate text for user-friendly farmer interaction.
- Utilized AI disease detection module that identifies crop ailments with its detailed diagnoses and crop remedy and applied soil-based recommendations by assessing nutrient composition that assists farmers in their cultivation.

Mach-Tech| Python, Streamlit and Machine Learning
- Built interactive Streamlit dashboards for diverse ML projects (Fake News, Big Mart Sales, Calorie Prediction, Diabetes Risk) showcasing model expertise (XGBoost, LightGBM, Random Forest, Logistic Regression) and optimized data preprocessing for peak performance.
- Championed open-source technologies (scikit-learn, pandas, NumPy) to extract insights from various datasets and crafted user-friendly Streamlit interfaces for clear communication of complex ML analysis to diverse audiences.

Meethub - A Forum for Techies | PHP, MySql, HTML, CSS, Javascript
- Built dynamic forum platform with extensive features powered by SQL database and PHP, including secure authentication & planned Google integration.
- Created user-friendly and responsive front-end using HTML, CSS, Bootstrap, and JavaScript for optimal website navigation and engagement.

TECHNICAL SKILLS
- Programming languages: C/C++ (Intermediate), Java (Intermediate), JavaScript (Expert), PHP (Intermediate), Python (Expert), and R Programming (Beginner).
- Machine Learning Models/Libraries: Random Forest, Support Vector Machine (SVM), K-Means Clustering, Convolutional Neural Network (CNN), TensorFlow, Keras, Scikit-learn, Pandas, NumPy, PyTorch, TF-IDF, OpenCV.
- Artificial Intelligence: Machine Learning, Deep Learning, Neural networks, NLP, Computer vision.
- Cloud Technologies: Amazon Web Services AWS, Google Cloud Platform GCP.
- Frontend frameworks: React, Vue.js, Angular, Svelte | Backend technologies: Php, ExpressJS, NodeJs, and Django.
- Databases/Api: MySQL, MongoDB, Firebase, Postman, and RESTFul API | Data Structures and Algorithms.

EXTRACURRICULAR ACTIVITIES
- Led and successfully organized a Codethon event at Shah and Anchor Kutchhi Engineering College, 2022, in collaboration with various colleges; showcased strong leadership, organizational and team management skills.
- Served as a Web Development Instructor at an NGO in Mumbai, where I delivered training sessions and guided students about the fundamentals of web development and technical skills; redesigned and tailored curriculum, 2022.