Harshal Kishor Nalawade- Project Manager (PMP)| Data Science

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SUMMARY

Data Science professional with hands-on experience in machine learning, deep learning, and process optimization. Developed data-driven models, including an Abstractive Text Summarization system and a sales forecasting model, to enhance efficiency and support business goals. Proficient in leveraging data science techniques to drive strategic decision-making and operational improvements. Experienced in managing end-to-end project lifecycles, using Agile and Waterfall methodologies, while ensuring timely delivery, resource optimization, and risk mitigation. Strong collaborator, working with cross-functional teams to deliver impactful results across Life Sciences, Industrial Automation, and Localization domains.

TECHNICAL SKILLS:

- **Programming Languages & Libraries:** Python (NumPy, Pandas, Matplotlib, TensorFlow, Keras, Scikit-Learn)
- **Machine Learning & Deep Learning:** Supervised & Unsupervised Learning, LSTM, Transformers, Transfer Learning, Computer Vision, Natural Language Processing (NLP)
- **Data Visualization:** Power BI, Tableau

PROJECT MANAGEMENT SKILLS:

- Project & program Life-cycle Management, Milestone and Detail Project Planning, Resource Planning
- Risk Management, Root Cause Analysis, Change Management
- Vendor Management, Conflict Management, Team Training
- **Project Management Tools:** MS Project, ProjectManager.com, MS Office & Office 365

PROFESSIONAL EXPERIENCE

☐ TransPerfect Solutions India Private Limited, Pune - India

Project Manager | Data Science, Localization, Life Science

Nov 2024 – Present

Junior Project Manager | Data Science, Localization, Life Science

Feb 2022 – Nov 2024

- Managing project constraints (cost, time, scope) by leveraging data-driven approaches for risk mitigation, outcome optimization, and vendor coordination.
- Identifying opportunities to reduce costs and drive strategic business goals.
- Leading projects using Agile and Waterfall methodologies, ensuring alignment with client requirements and organizational objectives.
- Led ISO-compliant audits to uphold industry standards, ensure data integrity, and maintain quality excellence.

Key Projects -

1. **Develop an Abstractive Text Summarization Model for Scientific Articles to Enhance Efficiency, Cost Savings, and Time Optimization**
   - Refined BigBird transformer for long document summarization, improving summary accuracy over baseline model and reducing manual summarization time by **50%**.
   - Validated model output using **ROUGE** metrics, ensuring industry-standard accuracy.

2. **Develop an AI model to predict drug sensitivity in cancer cell lines.**
   - Built an XGBoost-based classifier, achieving a **Precision score of 0.91**.
   - Implemented feature engineering to improve model accuracy.
   - Conducted model evaluation, hyperparameter tuning, and validation to enhance prediction accuracy and ensure robust, generalizable performance.

☐ Armstrong Machine Builders Pvt. Ltd, Nashik - India

PMO Officer | Data Science, Industrial Automation
June 2020 – Feb 2022

- Led multiple projects at the program level, ensuring **resource optimization** and timely completion.
- Delivered actionable insights through **data visualization** and reporting to support strategic decisions.
- Applied machine learning techniques to improve **forecasting accuracy** and **operational efficiency**.

Key Projects -

1. **Build a sales forecasting system using machine learning models to predict monthly sales and optimize inventory management.**
   - Developed a predictive model for monthly sales forecasting, improving inventory management and enhancing forecasting accuracy.
   - Streamlined data preprocessing and employed hyperparameter tuning with Scikit-learn to optimize model performance and ensure reliable predictions.

2. **Created an Automated System for Detecting Damaged Packages to Cut Down on Losses and Boost Efficiency.**
   - Developed a YOLO (v5)-based detection model, reducing **returns by 30%** and improving sorting efficiency by **25%**.
   - Applied custom augmentation techniques, Enhanced the model for high-accuracy predictions, and integrated real-time processing for large-scale logistics environments, enhancing operational efficiency.

☐ Avery Dennison India Pvt. ltd., Ranjangaon(Pune) - India

Project Engineer (Capex)
July 2018 – Mar 2020

- Contributed to **engineering reports**, **lessons learned**, and **British Safety Council (BSC) audits**.
- Supported procurement and contract negotiations, enhancing process efficiency.
- Monitored equipment installations, ensuring compliance with specifications and mitigating risks through team coordination.

EDUCATION

- ***B.E. Mechanical*** *(80.84%)*
  P. E. S. Modern College of Engineering, Pune - *August 2014 - July 2018*
- ***Diploma in Pharmacy***
  Savitribai Phule Pune University, Pune - *June 2021 - July 2023*

CERTIFICATIONS

- Certified in Data Science & AI
- **PMP** (Project Management Professional)
- Certified Course on Project Risk Management
- Microsoft Project
- Six Sigma - Green belt
- PG Diploma Advance Mechanical and Mechatronics System
- Certified Professional Course on Industrial Safety.