Abhishek Madankumar Patil

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EDUCATION

Masters, Industrial Engineering and International Management   Sep. 21 - Aug. 23

Hochschule Fresenius University of Applied Science, Berlin, Germany

Focus Areas: Data Science, AI/ML, Business Analytics, Big data technologies, International Finance and Digital Innovation.

Bachelor of Engineering, Mechanical   Aug. 12 - Mar.17

Dr D Y Patil College of Engineering, SPPU University Pune, India

EXPERIENCE

Quality Product Operational Engineer & Analyst at S.R. Industries Pune. Jun18 - Nov 20

- Collaborated with Data Analysts to design inspection methods and identify bottlenecks in quality assurance processes.
- Improved product quality by analyzing customer feedback and working with Quality Development Engineers to make necessary design changes.
- Presented comprehensive reports and metrics to senior management by leveraging insights from both manufacturing processes and customer feedback.

ACADEMIC PROJECTS

Entrepreneur Finance:

Developed an end-to-end business model benefiting scientific education through the power of Augmented Reality & Virtual Reality using Unity & Vuforia.

Correlation Analysis of Data:

- Conducted correlation analysis on various variables using Pandas to identify relationships and patterns in the data.
- Utilized statistical techniques and hypothesis testing to quantify the strength and direction of correlations and determine their significance.
- Visualized the correlations using Matplotlib through scatter plots, heat maps, and correlation matrices, to facilitate interpretation and communication of the findings.

Smart logistics based on AI/ML:

- Designed and implemented a smart maintenance management system using advanced AI/ML technologies, including IoT sensors, predictive maintenance, SAS, Python, and TensorFlow.
- Utilized K-means clustering to optimize performance and automate maintenance processes.

- Deployed the system successfully, resulting in increased efficiency and reduced downtime through real-time monitoring and analytics.

Skills

Languages: Python, R, SQL, SAS

Databases: MySQL, PostgreSQL, MongoDB, SQLite

BI: Tableau, QlikSense Power BI and Excel

Certificate: Python, R, SQL, Power BI from data camp

Libraries: NumPy, Pandas, Matplotlib, TensorFlow

Frameworks: Scikit-learn, Keras, TensorFlow, PyTorch

LANGUAGES: Hindi, English, German (A2.1)