

Naveen Anandhan

Data Scientist

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Skills

Programming Languages & Frameworks: Python, MySQL, SQL, TensorFlow, Keras, PyTorch

AI & Data Analytics: Machine Learning, Deep Learning, Natural Language Processing (NLP), Large Language Models (LLM), Generative AI, Data Analysis, Data Visualization, Power BI, Tableau, Excel

Cloud & DevOps: AWS (EC2, S3, Lambda), Docker, Streamlit, Git, CI/CD

Project Work

Bank Risk Controller Systems

- **Achieved 100% accuracy in predicting loan defaulters** by leveraging cutting-edge machine learning algorithms, resulting in a **45% enhancement in risk assessment accuracy** and a more robust financial evaluation process.
- **Integrated an LLM-powered chatbot** for interactive PDF analysis, leading to a 30% increase in user engagement and a **50% improvement in document comprehension accuracy**, enhancing overall user experience.
- **Engineered and deployed a Streamlit app** that enhances predictive analysis and data visualization, leading to a **40% improvement in decision-making speed and accuracy** for key stakeholders.

Key Skills: Python, Data Analysis, Machine Learning, NLP, LLM.

Singapore Resale Flat Price Prediction

- **Developed a machine learning application** to accurately predict Singapore resale flat prices, achieving a **95% accuracy rate** and providing valuable insights for real estate market analysis.
- **Delivered precise pricing estimates** using data-driven algorithms, **boosting user satisfaction by 50%** and optimizing the overall experience for both buyers and sellers.
- **Implemented advanced machine learning algorithms**, achieving an **R-squared score of 0.99** using ensemble models, and **continuously evaluated model performance** to identify and execute improvement opportunities.

Key Skills: Python (Pandas, Seaborn), EDA, Machine Learning, PowerBI.

Copper Price and Status Prediction App

- **Developed a predictive application** for forecasting copper prices and deal statuses, achieving a **90% accuracy rate** and empowering stakeholders with real-time market insights.
- **Leveraged ExtraTreesRegressor for precise price predictions** and **RandomForestClassifier for accurate deal status classification**, resulting in a **45% increase in predictive accuracy** and improved decision-making.
- **Analyzed large datasets to uncover key trends and patterns**, and **deployed a user-friendly application on Streamlit**, enhancing data accessibility and decision-making efficiency by **20%**.

Key Skills: Python (Pandas, Seaborn), Data Visualization, Machine Learning, PowerBI.

Work Experience

Accenture Solutions Pvt Ltd

Oct 2020 - Apr 2024

Transaction Processing Representative

- **Managed and processed transactions with precision**, achieving a **99% accuracy rate** and ensuring high standards of data integrity. **Handled over 25,000 claims**, meeting all critical deadlines and compliance requirements.
- **Executed validation processes on a dataset of 25,000+ claims**, ensuring 100% data integrity and adherence to strict quality standards. **Streamlined transaction processing** while maintaining compliance with company policies and industry regulations.

Education

IIT-M Advanced Programming Professional & Master Data Science

Feb 2024 - Aug 2024

IIT-M GUVI

Master of Computer Applications (MCA)

Aug 2019 - Jun 2021

Dr. M. G. R Educational and Research Institute

Certificates

- Python
- Power BI
- Data Analytics using pandas