

SIVAKUMAR K

Machine Learning Engineer | Python | Data Science | Model Development

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PROFESSIONAL SUMMARY

Aspiring Machine Learning Engineer with hands-on experience in data preprocessing, feature engineering, model building, and evaluation using Python and machine learning libraries. Strong foundation in supervised learning algorithms, data analysis, and end-to-end ML project development. Experienced in transforming raw data into predictive insights and collaborating with teams to deliver data-driven solutions.

PROFESSIONAL EXPERIENCE

Ninestars Information Technologies Pvt. Ltd. — Junior Associate / Data & ML Support

May 2022 – July 2024

- Worked extensively on data cleaning, validation, and preprocessing to prepare datasets for analytical and machine learning use cases.
- Analyzed large-scale datasets ensuring high data quality and consistency (98%+ accuracy).
- Supported data-driven initiatives by generating structured datasets for reporting and modeling.
- Collaborated with IT and analytics teams to troubleshoot data issues and optimize workflows.
- Maintained documentation and reproducible data pipelines using Excel and Python.

TECHNICAL SKILLS

- Programming: Python (Pandas, NumPy, Scikit-learn)
- Machine Learning: Regression, Classification, Feature Engineering, Model Evaluation
- Data Processing: Data Cleaning, Preprocessing, EDA
- Tools: Jupyter Notebook, Excel, Power BI (Basic)
- Databases: SQL
- Systems: Linux, Windows

PROJECTS

Air Ticket Price Prediction – Machine Learning Project

- Built an end-to-end machine learning pipeline to predict airline ticket prices using historical data.
- Performed data cleaning, feature engineering, one-hot encoding, and scaling.
- Implemented Polynomial Regression and evaluated performance using MAE, RMSE, MSE, and R².
- Gained practical experience in model training, testing, and performance optimization.

EDUCATION

B.Sc. Computer Science – 84%

Sri Sankara Arts and Science College

June 2018 – May 2021

CERTIFICATIONS

AI & Machine Learning, Python for Data Science