YOGESH YUVRAJ PATIL

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As a dedicated statistics student, I am passionate about leveraging data to uncover insights and drive innovation. With expertise in statistical modeling, machine learning, and data visualization, I aim to apply these skills to solve complex problems and contribute to impactful projects. I am eager to transition into a Data Scientist role where I can harness data-driven methodologies to support strategic decision-making and advance business goals.

EDUCATION

Master of Science in Statistics — Pursuing
Kaviyatri Bahinabai Chaudhari North Maharashtra University, Jalgaon — Aug 2023 - June 2025

Bachelor of Science in Statistics — **CGPA: 8.1**
Moolji Jaitha College, Jalgaon — Aug 2020 - June 2023

HSC — **Percentage: 60.77**
Parvatabai Madhyamik Vidyalay Khedi bk, Jalgaon — Apr-2020

AREA OF INTEREST

•Data Analysis and Visualization •Statistical Modeling •Business Intelligence •Machine Learning •Data-Driven Decision Making

EXPERIENCE

Krishi Vigyan Kendra, Jalgaon | Internship — Jalgaon | May 2024 - June 2024

- Analyzed agricultural datasets of cotton crops for **Insecticide Resistance Management (IRM)** practices. Applied **Hypothesis Testing** and **Exploratory Data Analysis** in Python to derive actionable insights. Integrated statistical methods to enhance understanding and optimize IRM practices.

TECHNICAL SKILLS

- **Statistical Skills:** Probability Distributions, Hypothesis Testing, Statistical Inference, Regression Analysis, Exploratory Data Analysis (EDA), Time Series Analysis, Statistical Modeling, Machine Learning, Clinical Trials
- **Languages & Softwares:** R (tidyr, dplyr, ggplot2, plotly, data.table, purrr, broom), Python (seaborn, matplotlib, numpy, pandas, scipy, scikit-learn, statsmodels), C, Matlab, Minitab, Excel, BASE SAS, SPSS, POWER BI, SQL
- **Mathematical Skill:** Linear Algebra

PROJECTS

Study of Environmental Pollution in Jalgaon City — Jan 2023 - May 2023

- Analyzed pollution data using JMC datasets. Applied **WQI**, **AQI**, **Correlation analysis**, **Exploratory Data Analysis (EDA)**, and **ANOVA** to recommend pollution reduction strategies.

Credit Card Approval Prediction — 2024

- Developed a predictive model for credit card approval using a dataset with features such as income, employment status, and credit history.
- Employed machine learning techniques including logistic regression and decision trees to predict approval status.
- Evaluated model performance through accuracy, precision, and recall metrics to ensure reliable predictions.

Survival Analysis Using Machine Learning Techniques — Ongoing

- Implemented survival analysis techniques such as Kaplan-Meier estimator and Cox proportional hazards model.
- Applied machine learning methods to improve the prediction accuracy of survival times.
- Analyzed patient data to identify significant factors affecting survival rates.

CERTIFICATION

- Data Analytics with Python - **NPTEL** — 2024
- Machine Learning, NLP Bootcamp, MLOps & Deployment - **Udemy** — 2024

REFERENCES

Dr. Rohan D. Koshti, Assistant Professor, Department of Statistics, KBC NMU, Jalgaon
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Mr. Manoj C. Patil, Assistant Professor, Department of Statistics, KBC NMU, Jalgaon
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