Ishika Rathod

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EDUCATION

Maharashtra Institute of Technology, Pune, India **Expected Graduation: June 2025**
Bachelors of Technology in Computer Science Engineering | CGPA: 8.87/10
Coursework: Algorithms and Data Structures, OOP, Data mining and analytics, Machine Learning, IOT, Operations Research

Delhi Public School, Pune, India **June 2021**
High School- 12th| Score: 93.4%
Subjects: Physics, Chemistry, Mathematics, Computer Science.

SKILLS

- **Data Science:** Quantitative Analytics, Statistics, Machine Learning, Deep Learning, TensorFlow, Pandas, Scikit-learn, NumPy, Matplotlib
- **Data Analytics**: Data Visualization, Exploratory Data Analysis, Tableau, MS Excel, Power BI
- **Programming Languages:** Python, C, MySQL
- **Interpersonal Skills:** Great attention to detail, effective collaboration and communication skills, ability to work efficiently in teams
- **Languages:** German (A1, A2 level), English (Full Professional Proficiency), Hindi

EXPERIENCE

The Sparks Foundation **Remote**
Data Science & Business Analytics Intern **Jan 2024- Feb 2024**

- Performed comprehensive Exploratory Data Analysis (EDA) on a wide array of datasets spanning retail, terrorism, and sports.
- Employed Linear Regression to develop predictive models and implemented K-Means Clustering and Decision Tree algorithms to tackle classification tasks.

ACADEMIC PROJECTS

Cyberbullying Detection using ML

- Led a group of 5 members in implementing cyberbullying detection algorithms.
- Spearheaded the utilization of sentiment analysis techniques to extract emotional context and sentiment polarity from textual data.
- Developed 5 machine learning models, including Logistic Regression, SGD, NB, LightGBM and AdaBoost Classifier achieving accuracy rates exceeding 85% in identifying instances of cyberbullying.

Email Spam Prediction

- Utilized a comprehensive dataset sourced from Kaggle comprising 5575 rows.
- Employed advanced techniques, including Logistic Regression and Multinomial Naive Bayes (NB), to achieve remarkable accuracy rates of 96.5% and 98.57%, respectively.

Solar Power Generation Forecaster

- Spearheaded an innovative project focused on leveraging machine learning techniques for precise solar power forecasting, contributing to sustainable energy initiatives.
- Developed and implemented a suite of supervised machine learning algorithms, comprising regression models, ensemble methods, and neural networks, to predict solar power generation with high accuracy.

EXTRACURRICULAR ACTIVITIES

Computer Society of India at MIT WPU **Pune, Maharashtra**
Member **Aug 2022-Aug 2023**

- Actively volunteered in 4-5 events and enhanced skills through various events and activities.
- Demonstrated commitment to continuous learning and growth through active involvement in extracurricular initiatives and collaborative projects.

Arise Vishwa Society **Pune, Maharashtra**
Community Volunteer **Feb 2023**

- Executed around 15 surveys/day to assess local job opportunities, emphasizing proximity to residences for accessibility.