

Onkar Sudrik

Artificial Intelligence and Machine Learning Graduate

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Egham, Surrey, TW20 0QX, United Kingdom

Experienced data professional with a proven track record in applying advanced statistical techniques for predictive modeling, executing quality assurance programs, and conducting data annotation. Skilled in feature engineering, blockchain integration, data manipulation, and report presentation.

Work Experience

Junior Data Scientist

Jan 2024 - Mar 2024

Omdena

- Applied Feature Engineering skills in preprocessing of structured and unstructured data sets for predictive modeling
- Applied statistical methods to improve model accuracy by 20%, collaborated on high-profile film projects to create realistic digital likenesses, and integrated blockchain for copyright management.
- Utilized advanced statistical techniques, including Hypothesis Testing, to drive data analysis and predictive modeling initiatives

Data Quality Analyst

Jan 2021 - Sep 2022

Zuru.Artificial Intelligence | Bangalore

- Developed a quality assurance program for data deliverables, ensuring a 97% accuracy rate.
- Conducted data annotation and data cleaning achieving a 95% data cleaning rate and managed data preparation using SQL and Microsoft Excel.
- Utilized exceptional communication skills to present data-driven reports and findings to cross-functional teams

Trainee Intern

Jan 2021 - Sep 2021

MICM | Mumbai

- Focused on Object-Oriented Programming and database management
- Expertise in data manipulation enabled the production of meaningful reports and visualizations for strategic decision-making
- Collaborated in an inclusive team environment to develop predictive algorithms for market trends
- Worked with CRM Systems to conduct data extraction and cleansing, improving the quality of customer profiles.

Projects

Real-Time Face Recognition

Nov 2023 - Dec 2023

Developed a real-time face recognition system using Python and OpenCV.

- Achieved 90% accuracy by implementing scalable machine learning techniques for large datasets.

Predictive Housing Price Analysis

Jan 2024 - Apr 2024

Analyzed housing prices using Ridge Regression and Random Forest.

- Enhanced data preprocessing and feature engineering, boosting predictive accuracy by 20%, achieving an R^2 value of 0.8256.

Behavioral Credit Card Risk Modelling

May 2024 - Aug 2024

Developed a Flask web application to predict credit card defaults using Random Forest.

- Optimized the model through cross-validation, improving prediction accuracy by 15%, and deployed it on AWS with MongoDB for real-time predictions.

Real-Time Anomaly Detection with Isolation Forest

Sep 2024 - Oct 2024

Implemented an Isolation Forest model for detecting financial transaction anomalies using Streamlit.

- Parameter optimization led to a 20% improvement in anomaly detection accuracy.

AI-Powered Multi-Agent Content Creator and Market Analyst

Present

Building a multi-agent system to automate market analysis and content creation for financial and tech sectors using IBM Watsonx models.

- Incorporating ARIMA and LSTM for forecasting, with 30% efficiency improvement in content generation through a Streamlit dashboard.

Core Skills

Python, R, SQL, Data Engineering, AWS, Jupyter notebook, Version Control, Exploratory Data Analysis, version control software, project management, develop presentations, github, mathematical skills, econometrics, operating systems, data acquisition, scripting, data visualization, data mining, Natural Language Processing, Business Statistics, data management, data gathering, C#, computer vision, linear algebra, tensorflow, C++, scikit-learn, R&D, SaaS, keras, Java, software development, industrial automation

Education

Royal Holloway University Of London

Sep 2022 - Sep 2023

Master of Science Artificial Intelligence

University Of Mumbai

Jun 2019 - May 2022

Bachelor of Science Information Technology
GPA 8.9

Languages

English (*fluent*), **Hindi** (*fluent*), **Marathi** (*fluent*)

Certificates

AWS Certified Solutions Architect

Sep 2024

Python for Data Science and Machine Learning Bootcamp

Dec 2023

Bootcamp

Getting Started with AI on Jetson Nano

Dec 2023

Google Data Analytics Professional Certificate

Feb 2023

Financial Risk Analysis

Feb 2024