Ankit Raj

Roorkee, Uttrakhand, India arsingh21706@gmail.com 08102172901 in/ankit-raj-183389221/

SUMMARY

Eager data science graduate with programming (Python, R) and machine learning skills (Random Forest, data cleaning). Seeks to leverage academic knowledge and projects for real-world impact.

EXPERIENCE

Data Analyst

Sparks Foundation **December 2022 - February 2023, India**

- Streamlined data collection and reporting procedures, reducing processing time by 20% enhancing efficiency.
- Implemented process improvements and automation solutions, resulting in 15% increase in productivity.
- Creating visualizations to convey stories using charts and graphs. Skills used - EDA,EDA tools, Python ,Data Visualization.

Web Developer

IIT Bombay **January 2022 - March 2022, India**

- Updated WordPress themes and plugins on professor's web page project by adding 20+ new features using PHP, JavaScript, HTML, and CSS.
- Designed and implemented a responsive e-commerce platform, increasing mobile traffic by 50% and achieving a 30% boost in overall sales conversion rates using HTML5, CSS3, JavaScript, and React.
- Added a countdown timer and 10+ features to the company's website for an upcoming product preview.

PROJECTS

Breast Cancer Detection

- Achieves high accuracy (around 95%) by combining multiple decision trees, making it vigorous to overfitting.
- Deliver unprecedented accuracy (potentially exceeding 95%) by iteratively building decision trees, focusing on areas with prior model errors.

Heart Disease Prediction

- Offers a pretty baseline (around 80% accuracy) and interpretability of results, making it useful for understanding which factors most influence predictions.
- Can potentially reach even higher accuracy (up to 95%) by focusing on areas where previous models struggle, leading to potentially more precise predictions.

Forest Fire Prediction

- Machine learning algorithms such as Random Forest or LSTMs (Long Short-Term Memory networks) analyze this data to identify patterns. These models can achieve accuracy exceeding 90% in identifying areas with a high risk of fire.
- This model leverages machine learning algorithms to analyze historical data and predict the likelihood of forest fires less than 1 secs.

Car Price Prediction

- Engineered a machine learning model utilizing Python, scikit-learn, and TensorFlow to predict vehicle prices with 95% accuracy by analyzing over 100,000 historical sales data points and incorporating real-time market trends.
- Skills used - Python, Machine Learning , EDA , Data Visualization ,MS Office .

EDUCATION & INVOLVEMENTS

Bachelor Of Computer Science Engineering

Minor in Media • Quantum University • Roorkee , India • 2025

Class 12th

D.A.V Public School • Bokaro , Jharkhand • 2021 • 91%

Class 10th

Nath Public School • Lakhisarai , Bihar • 2019 • 81%

Pahal Member

Quantum University (Pahal - a social Club)

Team Head

Quantum University(Google Developer Student Club)

Team Member

Quantum University (Google Developer Student Club)

SKILLS

Languages : Python , MySQL , C++

Frameworks : Pandas , Numpy , Scikit - Learn , Matplotlib , Flask

Tools : Power BI , Excel , PowerPoint , Tableau , MySQL

Platforms : PyCharm , Jupyter Notebook , Visual Studio Code , Spyder