

Debashish Rana

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Skills

Languages: Python, R, SQL, MongoDB, Java

Technologies & Tools: Pandas, NumPy, Scikit-learn, TensorFlow, SciPy, Matplotlib, Seaborn, Plotly, NLTK, Streamlit, OpenPyx Power BI (DAX, Report Builder), Azure, PostgreSQL, MongoDB, GitHub, Git

Work Experience

Real View Garden

March 2025 – May 2025

Data Analyst intern

- Architected Power BI inventory forecast dashboards reducing procurement waste by 23% and cutting custom report service costs by more than 80% through automation that identified unused or empty reports.
- Drove 12% conversion lift through SQL-driven analysis of session heatmaps cart abandonment patterns using MongoDB and AI-powered Excel automation.
- Executed large-scale data cleaning, transformation, and integrity checks using Excel and MS Access, ensuring accurate datasets for reporting and analysis with accuracy over 98 percentage.
- Tools used: Pandas, NumPy, Scikit-learn, TensorFlow, Power BI, Tableau, MS Access, Excel

Microsoft - AICTE

May 2025 - June 2025

AI Azure Engineer intern

- Trained NLP model (NLTK, transformers) predicting BSE stock trends with 87% accuracy and
- Developed and deployed real-time sign language detection system using CNNs achieving 89% frame-level accuracy, deployed via Azure ML pipelines and managed using MS access and MongoDB and Postgress SQL
- NumPy, Scikit-learn, TensorFlow, SciPy, Azure , Azure Cosmos DB, Azure AI foundry , Azure Synapse Analytics , Linear Algebra

Education

Amity University Jharkhand

Sept 2025 - Oct 2028

BCA in Artificial Intelligence and Data Engineering

CGPA: 7.96/10

Relevant Coursework: Object Oriented Programming, Databases, Discrete Maths, Data Structures and Algorithms, Operating Systems, Natural Language Processing , Machine Learning, Data Mining, Advance Data Structures and Algorithms, Data Visualization , Image Processing

Project Work

SQL Exploratory Data Analysis and Querying

- Engineered SQL ETL pipeline processing 20M+ records (Kaggle), reducing data retrieval latency by 20% via query optimization.
- Designed Power BI dashboard identifying top emerging artists, contributing to 10% engagement lift through personalized recommendations.
- Tools Used: Power BI, Kaggle, Excel, MySQL

Blinkit Data Modeling and Real Time dashboard

- Built interactive Power BI dashboards to analyze data streams, improving warehouse decision-making efficiency by 10%.
- Developed real-time Power BI dashboard integrating 5+ data sources (inventory, logistics, sales) with advanced DAX measures.
- DAX Calculations and custom measures to provide in depth insights in KPIs

Awards and Certificates

- **Google Developer Groups Ranchi** : Training and Development Co-lead Helping students and working professionals to get better at problem solving, coding and system design using google cloud platform and AWS
- **Harvard CS50 Certification** for programming using python and fundamentals of data structures and algorithms
- **National Youth Ideathon cum Hackathon 2024– State Championship Runner-up** and SXC Hacakthon first runner up
- **Mecon Ltd** Recommended Student for Innovation and Ideation (2024–2025)