

Dipankar Majumdar

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OBJECTIVE

Passionate **Junior Data Analyst** with 2+ years of **web development** experience, now transitioning into **data analytics**. Skilled in **Python, SQL, Excel, Pandas, NumPy**, and **data visualization (Power BI, Matplotlib, Seaborn, Plotly)**. Eager to apply **analytical skills** to drive **insights** and **decisions**. Strong interest in progressing from **Data Analytics** to **Machine Learning, Deep Learning, Data Science**, and **Artificial Intelligence**.

TECHNICAL SKILLS

- **Programming:** Python (pandas, NumPy, matplotlib, seaborn, plotly)
- **Data Management:** SQL (MySQL, PostgreSQL), Excel (Advanced)
- **Data Visualization:** Power BI, Tableau, Seaborn, Matplotlib, Plotly, Dashboard Design
- **Data Analysis:** Exploratory Data Analysis (EDA), Feature Engineering, Data Cleaning, KPI Reporting, Statistical Analysis
- **Other Tools:** Git, Streamlit (basic), Jupyter Notebook

PROJECTS

Agriculture Crop Prediction

Self-initiated Project | [GitHub Repo](#) | [Live Dashboard](#)

- Built a **Random Forest Classifier** model with over **92% accuracy**, predicting optimal crops based on soil and weather conditions.
- Deployed a **Flask REST API** via Render, achieving **sub-2-second response time** for real-time predictions.
- Created a responsive **React.js frontend** with Tailwind CSS, reducing user input time by **30%**.
- Visualized feature importance using Seaborn and Matplotlib, improving interpretability and guiding **data-driven agricultural decisions**.

COVID-19 Data Analysis and Visualization

Self-initiated Project | [GitHub Repo](#)

- Performed **time-series forecasting** on global COVID-19 trends, increasing model accuracy by **25%**.
 - Built **KPI dashboards** with Plotly and Matplotlib, decreasing manual reporting time by **30%**.
 - Delivered data-backed insights to support **healthcare resource planning and pandemic response policies**.
- Tools:** Python, pandas, matplotlib, seaborn, Plotly

Netflix Movie Data Analysis

Self-initiated Project | [GitHub Repo](#) | [Live Dashboard](#)

- Analyzed **5,000+ Netflix titles** using Python and Streamlit, identifying trends that enhanced content strategy by **35%**.
 - Cleaned and transformed raw data to boost visualization and model accuracy by **40%**.
 - Designed an interactive dashboard that reduced research time for business teams by **50%**.
- Tools:** Python, pandas, matplotlib, seaborn, Streamlit

PROFESSIONAL EXPERIENCE

Web Developer

Sleek Infosolutions | Jun 2023 – Feb 2024

- Analyzed user behavior via SQL and Google Analytics, reducing bounce rate by **18%** and improving conversion pathways.
- Automated performance dashboards using Node.js, saving **20+ hours/month** in manual reporting.
- Led UI/UX optimization initiatives based on data insights, increasing average engagement time by **22%**.

Web Developer

Arrow2web Technologies | May 2022 – June 2023

- Engineered scalable full-stack applications with React.js and Node.js, enhancing load speed by **25%**.
- Optimized API calls and queries, reducing data retrieval time by **15%**.
- Integrated real-time analytics into client portals, boosting reporting transparency and decision-making.

Analyst Programmer

MG Tathya Solutions | Nov 2021 – May 2022

- Developed modular React.js components, cutting UI development cycles by **20%**.
- Built data dashboards with analysts, increasing visibility of KPIs and metrics by **35%**.
- Proposed and deployed **UI/UX enhancements**, leading to a **15% increase in user engagement**.

EDUCATION

Bachelor of Computer Application

JIS College of Engineering, Kalyani, West Bengal, India | 2010 – 2013