ANIRUDH AGARWAL

DATA SCIENCE AND ARTIFICIAL INTELLIGENCE GRADAUTE

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SUMMARY

I am equipped with a strong foundation in mathematics, statistics, and programming, combined with a passion for leveraging data to drive insights and solve complex problems. With a solid understanding of machine learning algorithms and techniques, I am skilled in developing predictive models and implementing data-driven solutions. My experience includes working with large datasets, cleaning and preprocessing data, and applying advanced analytical techniques to extract meaningful insights. Additionally, I possess excellent communication and teamwork skills, enabling me to effectively collaborate with cross-functional teams and present findings to both technical and non-technical stakeholders. I am eager to contribute my knowledge and skills to a dynamic organisation at the forefront of data science, analytics and artificial intelligence.

EXPERIENCE

Assistant Manager - Operations   Dec 2017 - Nov 2021
JSW LTD., Karnataka, India

As an Assistant Manager - Operations, my responsibilities encompassed a wide range of operational tasks including data analysis, PowerBI utilisation for data visualisation, and supporting product development. I was heavily involved in budgeting, forecasting, and cost control to ensure financial efficiency. My role also required me to conduct consumer trend analysis to inform strategic decisions and manage inventory to optimise manufacturing operations. Additionally, I utilised SQL for database management and data retrieval to support various operational needs.

- Successfully implemented PowerBI dashboards for enhanced data visualisation, improving decision-making processes.
- Streamlined budgeting and forecasting procedures, leading to a 15% reduction in operational costs.
- Implemented data-driven operational improvements that reduced costs by 10% without compromising quality.
- Conducted in-depth consumer trend analysis, resulting in a 20% improvement in market responsiveness.
- Optimised inventory management, reducing excess stock by 25% and improving turnover rates.
- Utilised SQL to create efficient data retrieval systems, enhancing overall operational efficiency.
- Collaborated with the marketing team to launch a successful advertising campaign, resulting in a 25% increase in brand awareness.

Graduate Engineer Trainee   Jun 2017 - Nov 2017
Cipla Ltd., Bengaluru, India

- Successfully assisted in the production of active pharmaceutical ingredients by following batch manufacturing records and ensuring compliance with industry regulations.
- Contributed to the improvement of production processes by analyzing data and proposing optimization strategies.
- Implemented safety protocols and quality control measures to maintain a safe and efficient working environment.

EDUCATION

MSc in Data Science and Artificial Intelligence   Sep 2023 - Present
University of Liverpool, Liverpool, England, UK

Expected Grade - 2:1

Bachelors in Chemical Engineering   Jun 2013 - May 2017
Visvesvaraya Technological University, Tumkur, Karnataka, India

Graduated with a CGPA of 8.06/10.00

TECHNICAL SKILLS

Python/R Programming • SQL • Tableau • PowerBI • Spark and PySpark • Google Cloud Platform (GCP) • Machine Learning • Deep Learning • Data Wrangling • Data Visualiszation • Data Mining • NLP • Data Analysis • Neural Netwroks • Deep Learning

ACADEMIC PROJECTS

Capstone Project - Healthcare

- Created a Machine Learning model to predict whether or not a patient has diabetes, based on certain diagnostic measurements in the dataset.

Capstone Project - Real Estate

- Created a statistical model to predict the potential demand in dollars amount of loans for each of the regions in the USA using Python 3.0. Also, created a dashboard in Tableau that would refresh periodically post data retrieval from the agencies.

Banking

- Designed and implemented a Python-based bank account system using Object-Oriented Programming principles. The system supports standard and premium accounts, enabling functions such as deposit, withdrawal, balance inquiry, and overdraft management, card issuance and account closure. This project showcases my expertise in OOP and Data analysis.

Mercedes-Benz Greener Manufacturing

- Built a Machine Learning model to reduce the time that cars spend on the test bench. My algorithm contributed to faster testing, resulting in lower carbon dioxide emissions without reducing Mercedes-Benz's standards.

LANGUAGES

English (advanced) • Hindi (advanced)

WEB & SOCIAL

https://www.linkedin.com/in/anirudh-agarwal-02a113105