

Abhirup Arindam

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SUMMARY

Detail-oriented Data Analyst currently pursuing a Master's degree in Data Science, with strong proficiency in statistical analysis, data modeling, and machine learning. Skilled in utilizing Python, R, SQL, and various BI platforms to extract and interpret complex datasets. Adept at converting data into actionable insights and visualizations that enhance business performance. Possess excellent problem-solving skills and a collaborative mindset, dedicated to supporting data-driven decision-making. Enthusiastic about applying academic knowledge and analytical expertise in a dynamic environment to drive strategic initiatives and improve operational efficiency.

EXPERIENCE

The Sparks Foundation

Data Science & Business Analyst

May, 2024 - Present

- Conducted data analysis using Excel and Python to support decision-making.
- Developed interactive dashboards with Power Bi for real-time insights.
- Led cross-functional teams to define and deliver data-driven solutions.
- Implemented predictive models, enhancing forecast accuracy.
- Created detailed reports to summarize findings and guide strategies.
- Streamlined data processes, reducing operational costs by 10%.

Key Achievements:

- **Increased Customer Retention:**
Developed a customer segmentation model that improved targeted marketing efforts, leading to a 20% increase in customer retention rates.
- **Revenue Growth:**
Identified key revenue drivers through data analysis, contributing to a 15% growth in overall revenue.
- **Operational Efficiency:**
Streamlined data processes and automated routine tasks, reducing operational costs by 10%.
- **Improved Data Accessibility:**
Implemented a centralized data repository, enhancing data accessibility and reducing retrieval times by 30%.

IBM

Cybersecurity Trainee

June, 2023 – July, 2023

- Assisted in monitoring and analyzing security systems to detect potential threats and vulnerabilities.
- Supported the implementation of cybersecurity protocols and best practices to safeguard company assets.
- Conducted risk assessments and vulnerability scans, contributing to the improvement of overall security posture.
- Participated in incident response activities, helping to identify, analyze, and mitigate security incidents.
- Assisted in developing and maintaining security documentation and reports.
- Collaborated with the cybersecurity team to develop strategies for enhancing network and data security.

- Provided support in the deployment of security tools and technologies, enhancing threat detection capabilities.

Key Achievements:

- Contributed to reducing security incident response times by 15% through efficient monitoring and analysis.
- Assisted in the successful implementation of a new security protocol, enhancing overall system security.

PROJECTS

Student Marks Prediction using Supervised Learning

- Predicted student's marks based on study hours, attendance, and previous performance.
- **Tools:** Python, Pandas, Scikit-learn, Matplotlib

Smart Irrigation System using IoT

- Optimized water usage for irrigation via IoT-based monitoring.
- **Tools:** Arduino, NodeMCU, Sensors (soil moisture, temperature), Python.

Prediction using Decision Tree Algorithm

- Predicted the species of Iris flowers using the Decision Tree algorithm.
- **Tools:** Python, Scikit-learn, Pandas, Matplotlib.

EDUCATION

Gautam Buddha University, Greater Noida

5 Year Integrated B.Tech + M.Tech

(2020-2025)

In **Computer Science and Engineering** with Specialization in **Data Science**

Master of Technology in **Data Science**

Relevant Coursework: Artificial Intelligence, Data Mining, Database Management, Machine Learning, Data Visualization, Advance Excel, Python Programming, Probability and Stochastics, Data Science

CBSE

(2020)

CLASS XII | RKI Ghaziabad, Science with Mathematics (PCM)

SKILLS

Data Analysis & Visualization: Excel (Advanced), SQL, Python (pandas, NumPy), Power BI

Database Management: MySQL, MS SQL Server

Programming & Machine Learning: Python (scikit-learn, TensorFlow)

Tools & Platforms: Jupyter Notebook, Anaconda, GitHub, Apache Spark, VsCode, Power BI

Key Skills

Data Analysis, Statistical Analysis, Data Visualization, Power BI, Data Cleaning, Data Mining, Machine Learning, Predictive Analytics, Big Data Technologies

CERTIFICATIONS

- Google Advance Data Analytics
- Foundation of Data Science (Google)
- Python for Data Science (IBM)
- Cybersecurity (IBM)
- Responsive Web Design (freeCodeCamp)
- Digital Marketing (Google)
- Blockchain and Its Applications (IIT-K)

OTHER

Certifications: Cybersecurity Fundamentals (IBM), Fortinet NSE 1 Certification, Introduction to IoT (Cisco), Power BI (Microsoft Learn)

Conferences & Workshops: Attended 'Cloud Computing by Amazon' workshop (2023), Samsung Innovation Campus (Artificial Intelligence)

Courses: Google Advance Data Analytics (Coursera)

Projects: Led the development and implementation of an IoT-based smart irrigation system aimed at optimizing water usage and improving crop yield.

REFERENCES

Available upon request.