

ABHINANDAN NAHAR

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SKILLS

- **Programming Language:** Python (Pandas, NumPy, Matplotlib, TensorFlow, Seaborn), C/C++, R, HTML5, CSS3, JavaScript
- **Software Development Practices:** Agile Development, Git Version Control, Linux
- **Data Management and Visualization:** SQL, MongoDB, Tableau, PowerBI, Quick Sight
- **Cloud:** AWS (EC2, S3, Cloud watch), Microsoft Azure (Data Bricks) Apache, Hive, HBase, Kafka
- **Algorithmic and Design Concepts:** Advanced Data Structures and Algorithms, Complexity Analysis, SOLID Principles

EDUCATION

MSc. Data Analytics: 2:1

National College of Ireland: September’23 – Aug ’24

Data mining machine learning 1 & 2 Database and analytical programming, Business intelligence, Statistics, Modelling simulation and optimization, Domain application of predictive analytics, Research in computing, Data governance, MSc. Research Project

BE Information Technology: 7.91

Honors in Data Science – 20 Credits

SPPU: July ’18 – May ’22

Design and Analysis of Algorithms, Theory of Computation, Data Science and Big Data Analysis, Machine Learning and Applications, Cloud Computing.

EXTRA CURRICULAR EXPERIENCE

Vice President, IT Department (Sept 2019 – June 2022)

- Organized SparkTech and technical fests, engaging 3,000+ students.
- Represented student body, addressing 200+ queries to administration.
- Coordinated 20+ academic and professional talks.

Volunteer, Art of Living & Shree Vasudev Foundation (Mar 2020 – July 2023)

- Led campaigns on women's health, village cleaning, and town planning.
- Coordinated an event for 300,000 attendees.
- Mentored 20+ orphaned children and facilitated learning sessions.

CERTIFICATIONS

- Google Data Analytics Certificate (Coursera)
- AWS certified Data Analytics Specialty 2024 (Udemy)
- AWS certified Data Engineer Associate 2024 (Udemy)
- Object-Oriented Programming with Python on Udemy

Experienced Data Analyst skilled in Python, SQL, and machine learning frameworks, with expertise in data visualization using Tableau and Power BI. Certified in AWS and Google Data Analytics, with hands-on experience in cloud technologies and agile project management.

PROJECTS

[Adidas Sales Analysis Dashboard \(PowerBI\)](#)

Developed a Power BI dashboard for Adidas, analyzing key metrics and boosting Midwest sales (25% of US sales). Integrated CRM for 15,000 customers, driving a projected 10% sales increase and identifying top 5 high-demand products for targeted strategies.

[Social Media Recommendation System using LLM \(ChatGPT 3.5\)](#)

Developed a personalized recommendation system using LLM, improving content relevance by 15-20% and reducing irrelevant content by 25% through K-means clustering. Analyzed 50,000+ posts with NLP to categorize themes and sentiment, while dynamically profiling user behaviour with 1,000+ data points.

[Twitter ETL Pipeline Using Airflow](#)

Built a Twitter data pipeline using Apache Airflow and Python, automating the collection of 500,000+ tweets daily. Deployed 5+ Airflow DAGs for ETL processes, optimizing data processing with a 30% reduction in latency. Ensured 99% uptime and data quality, while scaling the pipeline to handle 3x data volume efficiently.

[British Airways Customer Review Dashboard \(Tableau\)](#)

Developed an interactive Tableau dashboard analyzing 1,000+ British Airways reviews (2016-2023), visualizing ratings for overall experience (4.2), cabin staff (3.3), and entertainment (1.4). Integrated filters for dynamic exploration and highlighted key insights, including Boeing 747-400's highest rating (4.7).

[License Plate Detection System](#)

Developed a license plate detection system using OpenCV and Haar cascade classifiers for precise segmentation. Built a CNN with Keras to classify characters into 36 classes, utilizing data augmentation and early stopping. Integrated an API for vehicle information retrieval, fetching and structuring data based on recognized license plate characters.

PROFESSIONAL EXPERIENCE

Data Analyst | Tata Consultancy Services (TCS) | India | July’22 – July’23

Developed and maintained 15+ credit risk dashboards using Tableau and Power BI to assess customer creditworthiness. Designed 10+ data models in SQL and Python, improving loan eligibility evaluation and reducing default rates by 15%. Automated 5 reporting processes, enhancing decision-making speed by 20%. Collaborated with teams to boost credit risk prediction accuracy by 25% using ML algorithms and delivered insights through 10+ data visualizations to refine credit policies.

Machine Learning Operations Intern | Linux World Informatics Pvt. Ltd. | India | May’21 – November’21

Implemented machine learning models using TensorFlow and Scikit-Learn. Led the development and deployment of 5 end-to-end ML workflows, ensuring integration and efficiency through Python and CI/CD pipelines. Developed social distancing and facial recognition systems with YOLOv5, TensorFlow, and OpenCV, achieving 89% accuracy.