AHMED NAFIZ

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PERSONAL STATEMENT

Passionate about leveraging data to drive strategic decision-making and deliver actionable insights. Equipped with a strong analytical mindset and expertise in data visualization, statistical analysis, and predictive modeling. Committed to translating complex data into meaningful business solutions that optimize performance and foster growth. Eager to contribute my skills and dedication to creating impactful, data-driven strategies for organizational success.

SKILLS

- Programming Skills: C, C++, and Python [Pandas, Numpy, Seaborn, Matplotlib]
- Database : MySQL
  Data Warehouse: Snowflake
- Statistics | Machine Learning
- Cloud Technology: AWS
- Tableau, Power BI, Looker Studio, Excel
- Visualization, Dashboards, Reporting, Forecasting
- Data Cleaning, Validation, Modeling, Integration, Transformation, Customization
- DAX, Calculations, ETL, KPIs
- Basic Charts, Maps, Slicers, Cards and Filters
- Power Query, Power Pivot, Pivot Tables

- Requirements Gathering and Documentation
- Software Business Analysis
- Process Improvement | Agile Methodologies
- Project Management [Trello, Youtrack]
- Team Building and Leadership Development
- Project Coordination and Planning
- Technical Communication

EDUCATION

- **United International University (UIU)**
  United City, Madani Ave, Dhaka 1212
  Master of Science : Computer Science and Engineering (Ongoing)
  Major in Data Science and Business Intelligence
  September 2023 – Present

- **Bangladesh Army University of Science and Technology(BAUST)**
  Saidpur Cantonment,Saidpur,Rangpur
  Bachelor of Science : Computer Science and Engineering
  2019 – 2023
  CGPA : 3.31out of 4.00

- **BAF Shahen College,Dhaka**
  HSC-2018
- **Adamjee Cantonment Public School**
  SSC-2016

WORK EXPERIENCE

Cloud Engineering Internship , August/2023 –November/2023
Inflexionpoint Technologies BD Ltd
Monsurabad Housing Society, Adabar, Dhaka 1207, Bangladesh

- Deployed and managed scalable applications on the AWS cloud infrastructure.
- Assisted in designing and implementing cloud-based solutions using AWS services.
- Participated in the configuration and management of AWS services, including EC2, S3, RDS, and VPC.
- Conducted research and analysis on emerging AWS technologies and their potential applications within the organization.
- Documented processes, procedures, and best practices for AWS cloud deployment and management.
- Actively participated in team meetings, brainstorming sessions, and project planning activities related to cloud infrastructure development and maintenance.

Software Business Analyst, May/2023 - July/2023
Developer Experience HUB, 6100 Rajshahi, Rajshahi Division, Bangladesh

- Analyzed software requirements and processes, engaging stakeholders to gather specific needs.
- Documented detailed software requirements, aiding the development team with clear references.
- Implemented Agile methodologies, enhancing project workflow efficiency.
- Managed projects with Trello and Youtrack, ensuring smooth coordination and issue resolution.
- Contributed to the Sharp Archive project, adhering to timelines and objectives. Supported the One World Family project, fostering cross-functional collaboration.

RESEARCH

Identify regional crime and mapping crime hot spot of Bangladesh from native news articles using deep-learning techniques

- **Regional Crime Identification:** Using deep learning techniques to identify and analyze regional crime patterns in Bangladesh based on data extracted from native news articles.
- **Crime Hotspot Mapping**: Applying Zero-shot Classification and Named Entity Recognition to map crime hotspots, providing valuable insights into high-risk areas within Bangladesh.
- **Application of Zero-shot Classification:** Employing Zero-shot Classification to categorize and label crime-related data, enabling the identification of crime types and subtypes without explicit training data.
- **Integration of Named Entity Recognition:** Utilizing Named Entity Recognition to identify and classify specific entities related to crime, such as locations in the news articles, aiding in the accurate mapping of crime hotspots.

TRAINING

Full Stack Data Analytics

iNeuron, Bengaluru, Karnataka 562129,India (Remote)

- **Python Proficiency:** Leveraged Python libraries such as Pandas, Seaborn, Numpy, and Matplotlib for data manipulation, analysis, and visualization tasks.
- **SQL and MySQL:** Applied SQL and MySQL for data retrieval, manipulation, and management, ensuring data integrity and efficiency in handling large datasets.
- **Power BI and Visualization:** Demonstrated expertise in using Power BI for comprehensive data visualization, along with creating informative dashboards and reports.

- **Data Modeling and DAX:** Utilized strong data modeling skills and a thorough understanding of DAX (Data Analysis Expressions) for effective data analysis and reporting.
- **ETL and Data Integration:** Executed ETL processes using Power Query and integrated various data sources, ensuring smooth data transformation and customization.
- **Excel Proficiency:** Utilized advanced Excel functionalities including formulas, PivotTables, VLOOKUP, HLOOKUP, data cleaning, sorting, filtering, and data visualization to extract valuable insights.
- **Statistics and Machine Learning:** Applied statistical concepts and machine learning techniques to derive meaningful insights and predictions from complex datasets.
- **Cloud Technology:** Worked with Snowflake, harnessing cloud technology for data storage, management, and analysis, ensuring scalability and security for large datasets.

DATA ANALYTICS AND VISUALIZATION PROJECTS

Creating different Dashboards and Reports using Microsoft Power BI
- Define audience and data sources
- Design intuitive, interactive layouts
- Utilize filters and visualizations effectively.
- Ensure data cleaning and regular updates
- Share and collaborate easily
- Incorporate storytelling for effective insights

SOFTWARE DEVELOPMENT PROJECTS

- ***TELECOM BILLING SYSTEM***
  Developing a robust telecom billing system in C, ensuring accurate data management and efficient billing calculations.
- ***INTERNET VOTING SYSTEM***
  Creating a reliable voting system in C, emphasizing secure data handling and user-friendly interface design.
- ***COVID-19 MANAGEMENT SYSTEM***
  Implementing a comprehensive COVID-19 management system in C++, integrating features for data tracking, symptom monitoring, and contact tracing.
- ***HEY CRACKERJACK***
  Developing a job portal website using React, focusing on intuitive user experience and streamlined job search functionality.

RFERENCES

- ***Md. Mamun Hossain***

  Assistant Professor, Bangladesh Army University of Science and Technology
  mhossain@baust.edu.bd - 01717690847

EXTRA-CURRICULAR ACTIVITIES

Director of Public Relation and External Affairs Team
Career Society of BAUST (CSB)

- Developing PR strategies, managing media relations, communication, organizing events, monitoring reputation, engaging peoples, supervising team responsibility initiatives, and leading the PR team.

HOBBIES AND INTERESTS

- Team Building and Leadership Development
- Technology Exploration & Tech Involvement.