Md Firozur Rahman

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ABOUT ME

I am a dedicated data science professional with a robust foundation in machine learning and artificial intelligence, supported by six years of programming experience. My expertise encompasses data management, validation, and visualization, with a particular focus on bioinformatics and predictive modeling. I am committed to advancing my knowledge in biological data analysis and am enthusiastic about contributing innovative solutions to protein production through machine learning techniques.

HEIGHT EDUCATION

Masters of Data science [1 Aug 2022 – 2025]

Major: Machine Learning/ Artificial Intelligence

Friedrich-Alexander-University, Erlange, Bavaria, Germany.

Note: Course completed; thesis pending.

WORK EXPERIENCE

Web developer (*Full-time: Hybrid*)

IT Grow division Ltd [1 Jan 2016 – 30 Dec 2023]

Location: Dhaka, Bangladesh

Responsibilities:
- Developed high-profile web applications with modern technologies.
- Improved web solutions for better user experience and functionality.
- Worked with teams to define project goals and deliverables.
- Reviewed code to ensure quality and standards.
- Managed data storage and maintained Linux servers.
- Mentored junior developers on best practices and coding standards.

TRAINING

Google Data Analytics Professional

Duration: 6 Months

- Developed a solid foundation in data cleaning, wrangling, and preprocessing, and utilized these skills to prepare datasets for predictive analysis.

DIGITAL SKILLS

1. **Programming Language Proficiency:**
   a) Python (PyTorch, NumPy, Core Python).
   b) JavaScript(NodeJs,Express,VueJs)
   c) PHP (Laravel,CodeIgniter, Core-php)

2. **Database Proficiency:**
   a) SQL-Relational (MariaDB, PostgreSQL,SQLite)
   b) NoSQL-Non-Relational (MongoDB,Redis)

3. **Data Analysis and Visualization Proficiency:**
   a) Excel ,Power BI   b) Tableau (Basic)

4. **Distributed Streaming and Cloud Platforms :**
   a) Amazon Web Services (AWS)
   b) Apache Kafka (Basic knowledge)

5. **Project Management Skills:**
   a) Problem Identification and Solving
   b) Planning, Organizing, and Prioritizing Tasks
   c) Resource and Time Management

6. **Development Tools & Methodologies:**
   a) **Tools**: Docker, Jupyter Notebooks, GitLab, SVN
   b) **Dev- Practices**: CI/CD (Continuous Integration/Continuous Deployment), Agile

ACADEMIC PROJECTS

1. **Weather-Impact-On-Vehicles** (*Tech:* Python, machine learning):
   Short-note: Developed a system to analyze how various weather conditions impact vehicle performance and safety. Utilized data from meteorological sources and vehicle sensors to create predictive models and recommendations for improving driving conditions.

2. **Route-Planning-For-The-Visually-Impaired**(Tech: Python, NVIDIA Jetson Nano, GPS, image segmentation):
   Short-note: Designed a route-planning application tailored for visually impaired individuals, enhancing their ability to navigate complex environments. Integrated accessibility features and real-time guidance to support independent mobility.

3. **Psychological Aspects Within the University Community**(Tech: Web development, data analysis)
   Short-note: Developed FAUconnect, a social web app, to collect and analyze user data on psychological factors affecting the university community.

LANGUAGE PROFICIENCY

1. **English:** Fluent – Capable of comprehensive communication in both professional and casual settings.
2. **German:** Elementary (A1) – Basic understanding and   ability to engage in simple conversations.