Rubaiyad Noor Shahriar

✉ rubaiyadnoorshahriar@gmail.com   📞 +8801609900407   in Rubaiyad Noor Shahriar

Synopsis

I am eager about delving into research that tackles intricate challenges. My passion for exploration and creativity fuels my desire to find avenues where I can make substantial contributions and evolve as a **researcher** in dynamic fields. Looking forward to exploring various research options.

Academic Profile

Bachelor of Science in Computer Science & Engineering   January 2019 – May 2023
American International University Bangladesh (AIUB)

- **Grade:** 3.95 out of 4.00
- **Major:** Information Systems (Thesis Domain: Human-Computer Interaction)
- **Second Major:** Computational Theory (Machine Learning, Data mining & Data Warehouse)
- **Minor:** Software Engineering
- Worked as a **Teaching Assistant (TA)** for 3 months and unofficial **Research Assistant (RA)** for 1 year

Research Work & Contributions

Elevating Software and Web Interaction to New Heights: Applying Formal HCI Principles for Maximum Usability (Undergraduate Thesis)   February 2023
Index Terms: Usabilty, User Interface, User Experience, UI laws, Usability Testing

- Main focus of this **thesis** is to **improve usability and user reactivity** applying Human Computer Interaction principles. By identifying and applying the most essential HCI laws and principles, usability components can be effectively improved.
- **Redefined the usability honeycomb** and proposed a set of compressed laws that will optimize the usability and user reactivity of the system at it's maximum.

A Machine Learning Application to Extricate the Red Wine Quality (Preprint)   October 2022
Index terms: Classification, Supervised Learning, Random Forest, K-Nearest Neighbor(K-NN), Naïve Bayes, Decision tree, Support Vector Machine

- Used **Naïve Bayes, K-Nearest Neighbor, Support Vector Machine, Random Forest, and Decision tree** algorithms to **classify** the Red Wine Quality dataset and provided a comparative discussion on the most efficient result.

Predominance of C4.5 Algorithm in the field of Data Mining (Research Methodologies)   May 2021
Index Terms: Classification, C4.5, K-Means Algorithm, Support Vector Machine

- Objective of this **research** is to **theoretically** prove C4.5 algorithm is the most **optimized** algorithm among C4.5, K-Means and SVM, to conduct general data mining tasks.

Microprocessor-based Water Quality Monitoring System for Bangladesh (Preprint)   August 2021
Index terms: Water Quality Index (WQI), Arduino, pHsensor

- Objective of this **project** is to **develop prototype equipment** to measure water safety levels depending on the chemical measurements and pH levels.

Language & Frameworks

Python (Library: NumPy, Pandas, Scikit-learn, Matplotlib, Pytorch - Tools: TensorFlow, Jupyter Notebook, Google Colab, Weka), VueJS (Vue 2,3), ASP.NET Core, NopCommerce (4.60.4) — *Contributed to different fundamental projects | Integrating complex functionalities with proper security verifications and testing*

MySQL, Oracle SQL (10g, 11g, 19c), Firebase, Git (Git flow), Tortoise Git — *Have proper training on version control systems at a professional level | Experienced with Tortoise Git and Git Flow | Created and Implemented multiple complex database functionalities & features*

Professional Experience & Roles

Data Coordinating Specialist (Full-Time)
Radiant Data Systems Ltd.

September 2024 – present

Assisting Credentialing Team (USA):
- Collaborate with cross-functional teams to **ensure data integrity and completeness**.
- Assist in the development and implementation of **data management procedures**.
- **Perform audits and quality checks on credentialing data** to ensure accuracy.
- Support the **automation and optimization of data workflows** related to credentialing.

Team Lead & Manager (Contract)
Cloud Vortex Innovation

February 2024 – present

- Acquired proficiency in **DevOps** methodologies, enabling seamless coordination between teams and stakeholders.
- Implemented **Waterfall, Agile and Scrum** approaches, ensuring effective project management and documentation, meeting diverse project requirements.
- Implemented strategic initiatives to meet organizational objectives and drive continuous improvement.
- Led and managed team to achieve project goals through effective coordination and communication.

Software Engineer (Full-Time)
Shapla Infosys

March 2023 – January 2024

- Worked on **CRM (Nop-Commerce 4.60.4)** with team.
- Developed **front-end** plug-ins (Homepage, Slider, Navigations, Banner).
- Originated **back-end** functionalities (Filtering systems, built-in PDF Generator(QuestPDF), Slider).
- Designed **UI/UX** concept based websites (Designs, Custom modules, PSD, Practice Websites, Duplication of E-Learning websites).
- Conserved code-base using **version control** (**Git**).
- Completed multiple **certification courses** from Udemy, provided by the company.
- Collaborated with cross-functional teams to gather requirements and deliver high-quality software solutions.

Teaching Assistant (TA)
American International University Bangladesh (AIUB)

May 2022 – August 2022

- Supported university courses as a Teaching Assistant, aiding in classroom activities, grading, and student assistance.
- Provided personalized support through office hours, fostering academic success and collaboration among students.
- Learned about Project management, Discipline, Time management, different types of teaching approaches, and Industrial best practices.

Key Projects & Contributions

SajekGor (Team Project)
A fully Nop Commerce (4.60.4) based E- commerce shopping site (Multivendor)

October 2023

- **Framework**: ASP.NET Core, Nop Commerce (4.60.4)
- **Technologies worked on** : Bootstrap 5, JQuery functionalities, QuestPDF, Swiper Slider
  - Mostly worked on the View and responsivness tasks of this projects using Razor, CSS3, JQuery transactions.
  - Worked on minimal backend tasks (ex. Adding home page banner, sliders using properties, Slider functionalities, PDF Profiler tasks, Product filtering functionality).

Wine Quality & Accuracy Measurement (Classification Model)
Designed to measure accuracy of different attributes of three types of wines

August 2022

- **Tools:** Weka, Jupyter Notebook
- **Libraries:** NumPy, Pandas, Matplotlib
- **Algorithms:** K-NN, SVM, Random Forest

Scholarly Contributions

Role of MIS in the Fourth Industrial Revolution (4IR)   May 2022
Keywords: MIS, Industry 4.0, Automation, 4th Industrial Revolution

- *Discussed about:*
  - Information systems' role
  - Essential characteristics
  - Things that drive automation

Certifications

Professional Programming With C# — *Dev Skill* ⏐ *Rank: 2nd (Achieved 82.02%)*, **Agile Project Management** — *Google (Coursera)*, **Programming with Python 3.X** — *Simplilearn*, **Introduction to Jupyter** — *365 DataScience*, **Introduction to Databases (MySQL)** — *Meta (Coursera)*, **Data Analytics and Visualization Virtual Experience** — *Accenture*, **Introduction to AI in Data Center** — *Nvidia (Coursera)*, **Introduction to Git and GitHub** — *Google (Coursera)*

Awards & Academic Recognition

Merit List – Scholarship   March 2019
American International University Bangladesh (AIUB)
- Awarded for maintaining a CGPA above 3.75 for three consecutive semesters.

Academic Excellence Award   January 2015
The Institution Of Engineers (IEB), Bangladesh
- Recognized for outstanding performance in board exams.

Professional Trainings

Professional Programming with C#   February 2023
Devskill
- **Technological Proficiencies** -
  - C#, ASP.NET Core MVC Web Development using C#11 .NET 7, Entity Framework, ADO.NET, MVC Architecture,
  - Fluent API, REST API, ORM, Gitflow, SSH, Docker, Postman, Node Package Manager (npm), NuGet, Web API.
  - Clean Code Architectures
  - Unit Testing
- Achieved **2nd** Rank with a distinction of **82.02%**.

Extracurricular Activities

AIUB Community of Engineering Students (ACES)   April 2021 – March 2023
General member
- Coordinate technical workshops, community outreach initiatives, and networking events to enhance members' skills, community impact, and professional connections.

Association of Computing Machinery (ACM)   March 2021 – March 2023
General Member
- Maintain a vibrant online community through social media engagement, newsletters, and discussion forums to keep members informed, connected, and engaged.

Workshop: Future of Mobile App Industry | Hosted by Huawei   October 2021
- Gained valuable insights from leading experts on cutting-edge technologies and strategies shaping the future of mobile applications.

Recommendations

(Available Upon Request)