Nabeel Haider Rizvi

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D.O.B: 02/05/1998

EDUCATION

Lahore University of Management Sciences   **Aug 2016 – Jun 2020**

BS Computer Science   CGPA: 3.34   GRE Score: 322 (Verbal: 158, Quant: 164)

Elective Courses: Data Science, Distributed Systems, The World War Two, Principles of Finance, Youth and Globalization, Global Cities, Machine Learning

Aitchison College   **Aug 2004 – Jun 2016**

O Levels: 3A*s, 6As   *A Levels: 3As, 1B*

PROJECTS

- **Senior Year Project – Predictive Analysis for an e-commerce business:**
    - Processed raw data accumulated by client company to carry out exploratory data analysis
    - Proposed marketing and user interface strategies designed to increase customer retention and improve customer experience
- **Distributed Systems Projects:**
    - Designed a **fault-tolerant** distributed network for a concurrent Bitcoin Miner in high performant Go code
    - Implemented a fully available and consistent decentralized key-value database built using **Paxos** in Golang
- **Machine Learning Projects:**
    - Designed a sentiment analyzer for tweets on Airlines using **Neural Networks**; **achieved 89% accuracy**
    - Used **K-Nearest Neighbors** algorithm to classify movie reviews as sarcastic or not, with **77% accuracy**
- **Databases Project:**
    - Developed an **Airline Database Management System** with functionality for adding new flights, updating passenger details, generating tickets and making edits to existing records using Python and MySQL
- **Network-Centric Computing Projects:**
    - Programmed an online multiplayer version of the classic 'snake' game scalable for n players in Python
    - Implemented a file sharing torrent-like application using a **Chord** version of DHT in Python with faster than target stabilizing rate using an enhanced scheme to keep finger-tables updated

PROFESSIONAL EXPERIENCE

- *Full-Stack Developer Apprentice, Radical Disruption*   *July 2020 – Present*
    - Developing lightweight PWAs using React and Node.js, with an extra focus on product design and ideation
- *Research Assistant, Koc University, Turkey*   *June 2019 – Aug 2019*
    - Redesigned front-end interface of a Skip Graph simulator using JavaScript
    - Exponentially increased the rate of application deployment by shipping images on Docker
- *Teaching Assistant Positions:*   *Sept 2018 – May 2020*
    - **CS 382 – Network-Centric Computing**
    - **CS 300 – Advanced Programming**
    - CS 100 – Computational Problem Solving
        - ➢ Designed assignments, assisted students with projects, graded quizzes and **conducted tutorials for classes of over 100 students**
        - ➢ Helped increase class average from 55% to over 70% in programming assignments by giving additional personalized coaching to under-performing students

EXTRA CURRICULARS

- *LUMS Boxing Team – Senior Player*   *Sept 2018 – May 2020*
    - Redesigned the training philosophy of the 7-week beginner's camp yielding an average of **50% increased participation**
    - **Trained over 80 students** for boxing skills, endurance, and physical conditioning
- *LUMS Community Service Society – Bridging Barriers (BB), Team Lead*   *Sep 2017 – May 2019*
    - Led weekly classes on social issues for under-privileged students in a Govt School
    - Handled logistics, coordination and transport of teaching team

HONOURS AND AWARDS

- Runners Up Position in LUMS Marathon 2020, 3rd position in LUMS Marathon 2020
- Received Dean's Honor List Award LUMS 2016-2017

SKILLS & INTERESTS

- **Programming**: proficient with C/C++, SQL, Python, JavaScript, GoLang, Haskell and Git Version Control
- **Data Science** and **Machine Learning** and with Pandas, NumPy
- **Web Development** with HTML, CSS, and React   **Technologies:** Docker, Firebase, MongoDB, Postman

Interests: Running, Yoga, reading on History, Psychology, and Social Issues