Muyeed Hossain

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EDUCATION

BASc in Computer Science   **Apr 2025**
Toronto Metropolitan University (Formerly Ryerson University)   Toronto, ON

- **GPA:** 4.10/4.33, **Awards:** Dean's List (x4), Renewable Scholarship (Highest Level)
- **Key Courses:** Data Structures, Algorithms, Database Systems, Data Science, Machine Learning, AI, Data Mining

EXPERIENCE

Software Engineer Intern   **May 2024 – Sep 2024**
PointClickCare (PCC)   Mississauga, ON

- Designed and deployed user search **REST APIs** using **Java Spring Boot** and **Elasticsearch** on **Azure**, achieving response times <**500ms**; leveraged **Bitbucket** and **Jira** for version control, issue tracking, and code review
- Built **ETL** pipelines to sync **10GB+** data between **Azure SQL** and **Elasticsearch**, supporting real-time data updates
- Enhanced production API performance by consolidating **SQL** queries, reducing API latency by **50%**
- Automated JUnit unit/integration tests with **Docker** based test containers, achieving **98%+** code coverage
- Created and managed **Helm charts** to deploy **Kubernetes** applications via **CI/CD pipelines** in **Jenkins**, ensuring consistent multi-environment deployment

Software Developer Intern   **May 2023 – Dec 2023**
Ontario Public Services (OPS)   Toronto, ON

- Developed modular frontend components using **NextJs/React** with **TypeScript** and Styled-Components based on **Figma** designs, reducing feature development effort by **40%** and standardizing UI across **10+** pages
- Built end-to-end payment workflow in **React** and integrated a payment gateway, to streamline the payment process for a province-wide web application

Network Engineer Intern   **May 2022 – May 2023**
Advanced Micro Devices (AMD)   Markham, ON

- Developed a **Python** script to automate network device data collection for site-wide infrastructure planning, reducing manual effort by **90%**
- Automated the configuration of Cisco and Aruba switches by adapting **Python scripts**, cutting setup time by **60%**
- Collaborated with **20+** engineering teams to assess lab requirements, design network architecture, and deploy **100+** enterprise switches across data centers and labs, supporting **1000+** servers and test systems
- Resolved **400+** network requests, including LAN/WAN/VPN, WiFi, DHCP, TCP/IP, UDP, and Firewall issues by performing in-depth root cause analysis, achieving a **400%** KPI improvement and minimizing service downtime

PROJECTS

TMU Marketplace - E-commerce App | *React, NodeJs, JavaScript, PostgreSQL, Supabase, Tailwind, CSS, WebSockets*

- Developed a full-stack app with role-based access, JWT authentication and middlewares, reducing violations by **100%**
- Utilized lazy loading, code splitting, pagination, and caching, improving **React** application performance by **70%**

Resume Analyzer | *Python, OpenAI, Flask, Langchain, GenAI, prompt engineering*

- Implemented an **LLM** powered agent using **OpenAI** API in **Python** to automate resume-job description analysis

Soccer Data Analysis – Power BI Dashboard & ML Model | *Power BI, NumPy, Pandas, Scikit-Learn, Python*

- Analyzed **250,000+** records and developed a **Power BI** dashboard to visualize performance metrics and trends
- Built an **ML** model to predict player and team performance using regression, classification, and clustering algorithms

TECHNICAL SKILLS

- **Languages/Databases:** Python, JavaScript, TypeScript, Java, HTML5, CSS, C, SQL, MSSQL, MongoDB
- **Frameworks/Libraries:** React, Angular, NodeJs, NextJs, Spring Boot, Numpy, Pandas, Scikit-Learn, PyTorch
- **Tools:** Bitbucket, Azure, AWS, Kubernetes, Docker, Confluence, Power BI, Jira, Jenkins, Datadog, Git, Linux, Excel