Muyeed Hossain

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Technical Skills

- **Languages:** Python, JavaScript, TypeScript, HTML, CSS, C, Java, Visual Basic, Elixir, Bash, PHP
- **Frameworks:** React.js, Node.js, Next.js, Bootstrap, Tailwind, Semantic UI, NumPy, Pandas, Netmiko
- **Databases:** SQL, MongoDB, PostgreSQL, Oracle
- **Tools:** Git / GitHub, MS Azure, Azure DevOps, LINUX/UNIX, MS Power Platforms, Confluence, VS Code, Postman

Work Experience

Ontario Public Services (OPS)   **Toronto, ON, Canada**
Software Developer Intern (Part-time)   *September 2023 - December 2023*

- Integrated and implemented a pivotal web application transaction system on the front-end for a microservice, resulting in seamless integration and highly efficient transaction management
- Collaborated with the back-end team to integrate API calls and align API responses with front-end requirements

Analyst / Software Developer Intern   *May 2023 - August 2023*

- Developed user interfaces for Next.js microservices leveraging React and TypeScript, translating wireframe UI & UX designs and user stories into tangible components for a large-scale project
- Improved front-end application functionality by troubleshooting API calls, verifying data accuracy, validating forms, and designing states in state management tools such as Context APIs/Redux

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

- Developed a Python application for implementing solutions in network device usage analysis across various sites, to aid in business planning and project management
- Automated configurations for mass networking devices using Python scripts, enhancing operational efficiency
- Collaborated with 20+ engineering teams to assess lab requirements, create network diagrams, and deploy 100+ switches (Cisco, Aruba, Arista) across data centers and labs, supporting 200+ servers and test systems
- Resolved over 400 network requests, achieving a 400% KPI improvement and minimizing service downtime, by troubleshooting issues related to LAN/WAN/VPN, WiFi, DHCP, TCP/IP, Firewall, and other network components

Projects

Dublo - Social-Media App | *React, Node.js, MongoDB, Firebase, HTML, CSS, JavaScript, Tailwind, Socket.io*

- Developed a sprint-based social media web application with OAuth integration, messaging features, image sharing, real-time notifications, and interactive features including commenting and following
- Designed and developed REST APIs, including middlewares for client data access with access token verification

Species Catalog - DBMS App | *React, Node.js, Tailwind, JavaScript, CSS, Firebase, PostgreSQL, Redux*

- Developed a responsive full-stack database application for efficient storage and retrieval of species data consisting of both text and images and a user-friendly gallery page for streamlined navigation of different entries
- Implemented admin role access, form validation, and search functionality for enhanced data management

Network Switch Data Analyzer | *Python, Netmiko, Numpy*

- Developed a Python-based CLI application with a user-friendly interface, utilizing the Netmiko library to establish SSH connections and retrieve network switch data
- Enhanced data analysis by implementing regex-based result filtering to acquire required data

Education

Toronto Metropolitan University (Formerly Ryerson University)   **Toronto, ON, Canada**
Bachelor of Science, Computer Science (Co-op)   *September 2020 - April 2025*

- **GPA:** 4.11/4.33, **Awards:** Dean's List (x2), Renewable Scholarship (Highest Level)
- **Relevant Courses:** Data Structures, Database Systems, Data Science, Web Dev I & II, AI, Software Eng, Algorithms