

Junaid Mohammed

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TECHNICAL SKILLS

Languages: Python, TypeScript, JavaScript, SQL, HTML/CSS, Java, C, C++, Bash

Frameworks: Next.js, Nest.js, React, React Native, TanStack, Node.js, Express.js, Pandas, Expo, Django,

Machine Learning: scikit-learn, Logistic Regression, SVM, vectorization pipelines

Tools: Git, Docker, AWS, MongoDB, MySQL, JMeter, Postman, Azure DevOps, Figma, Jira, Kubernetes,

Other: Three.js (3D rendering), OpenAI API, Tailwind CSS, Microsoft Dynamics CRM, SharePoint

PERSONAL PROJECTS

VitalityAI (2024–2025) | Toronto, ON | [[Link](#)]

- Built a full-stack AI health & fitness platform using **Next.js, Tailwind CSS, Python, and OpenAI APIs**, supporting real-time chat, voice interaction, and personalized coaching modules.
- Trained Logistic Regression and SVM classification models on 300+ curated FAQs to route users across 10+ chatbot personas.
- Developed keyword extraction, vectorization, and intent-detection pipelines using Python and scikit-learn.
- Implemented a modern frontend using Next.js + Tailwind and integrated OpenAI APIs for dynamic conversational responses.
- Designed context-aware backend workflows for onboarding, persona selection, and user-intent processing.

3Drobe (2025–Current) | London, ON | [[Link](#)]

- Developed a 3D body-scanning platform using **React Native, Expo, and Three.js** to generate accurate body meshes for suit fitting.
- Designed UML diagrams, user stories, and epics to support system architecture and agile development.
- Built interactive 3D visualizations with **Three.js** and implemented suit customization (styles, fabrics, measurements).
- Created backend services to manage user profiles, measurement data, and tailor order workflows using **Node.js/Express**.
- Applied human-centered design principles to produce an intuitive and realistic fitting experience.

CHEER Group — Ongoing Living & Learning (2024–2025) | London, ON | [[Link](#)]

- Built a full-stack web platform using **React, Node.js/Express, and MongoDB** to support children with special needs through communication, scheduling, and learning modules.
- Implemented parent and child registration flows with accessibility-focused design considerations.
- Delivered a complete full-stack solution for a real client organization.

PROFESSIONAL EXPERIENCE

Hydro One — Protection & Control Management Information System (PCMIS)

Co-op Student | Toronto, ON • May 2024 – Sep 2025

- Maintained and optimized complex SQL databases, delivering high-quality data extracts and operational reports.
- Improved system scalability during migration to a modern database architecture, ensuring data integrity and smoother internal workflows.
- Designed structured database hierarchies for legacy and new P&C equipment to support efficient data retrieval.
- Performed SQL performance tuning and query optimization to reduce processing time and improve system reliability.
- Supported User Acceptance Testing (UAT) for new database features and ensured compliance with industry regulations (NPCC and CIP).
- Supported UAT for new PCMIS features and ensured compliance with NPCC and CIP standards.
- Developed database-centric workflows using Microsoft Dynamics CRM; maintained SharePoint and Access applications.

MIR Digital Solutions — North York, ON

Quality Assurance Specialist (Intern) • May 2023 – Sep 2023

- Contributed to the development and testing of *TimeIT*, a mobile productivity application.
- Performed manual, automated, and load testing with Excel/VBA and JMeter.
- Developed Python tools to automate validation workflows and accelerate bug detection.
- Reported defects with clear replication steps and supported developers in implementing fixes.

MIR Digital Solutions — Vaughan, ON

Human Resources Intern • May 2021 – Sep 2021

- Built **VBA-driven Excel automation tools** to streamline HR data entry and reporting, reducing manual workload and errors.
- Assisted project managers in organizing Agile workflows in **Azure DevOps**, improving task tracking and team coordination.
- Improved internal HR web pages by enhancing UI components with HTML/CSS, making forms easier and cleaner for staff to use.

TELUS — Arcera — North York, ON

Sales & Marketing Lead Representative • May 2022 – Sep 2022

- Led regional sales initiatives and trained new representatives.
- Developed strong communication and customer engagement skills through direct client interaction.

EDUCATION

Bachelor of Engineering Science — Software Engineering (Co-op)

Western University • Sep 2021 – Apr 2026

- Western Scholarship of Distinction recipient
- **Relevant Coursework:** Machine Learning, Software Construction, Software Testing, Cybersecurity, Information Security, AI Training