Abuzar Ansari

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EDUCATION

University of Toronto Mississauga

Honours Bachelor of Science, Computer Science and Mathematics + PEY Co-op   *Sep 2022 – May 2027 (Expected)*

Olive Grove High School

Ontario Secondary School Diploma   *Sep 2018 – Jun 2022*

EXPERIENCE

Software Developer   July 2023 – Present

TrackDDB

- Developed static and dynamic email campaigns for Samsung, Exxon, and Bimbo using HTML, CSS, JS, and Java.
- Enhanced visuals with Adobe tools, boosting engagement and click-through rates.
- Optimized backend processes with Adobe Campaign, employing data-driven strategies for segmentation and managing AWS S3 bucket.
- Contributed to the company's website revamp using WordPress, ensuring AODA compliance for accessibility.

PROJECTS

MonoFeed | *JavaScript, Express.js, jQuery, React, SQL (Postgre), Socket.io, Passport.js*   Jan 2025 – Present

- Node.js backend with a jQuery-powered frontend to aggregate and display real-time social media posts from Instagram, X, and TikTok
- OAuth authentication and API data fetching for content aggregation while optimizing performance with background job scheduling
- WebSocket-powered live updates, search filtering, and ML sentiment analysis for engagement and content discovery

Audio Forge X | *C, Python (Ctypes), Flask, TypeScript, Vue.js, Docker*   Nov 2024 – Jan 2025

- Developed platform combining Vue.js + TypeScript frontend with Flask backend for audio file mixing and editing
- Integrated C libraries for advanced audio transformations, including echo, pitch shifting, and vocal removal
- Enabled file upload, processing, and download workflows with responsive UI and efficient API communication
- Enhanced cross-platform deployment potential by preparing for Docker-based containerization

Checkers AI | *Python, Flask, JavaScript, React*   Oct 2024 – Nov 2024

- Developed interactive Checkers game with AI opponent for real-time, turn-based gameplay
- Implemented minimax algorithm with alpha-beta pruning, node ordering, and state caching for AI optimality
- Built responsive UI with drag-and-drop functionality, providing real-time updates for user and AI moves across desktop and mobile
- Strengthened full-stack skills by integrating RESTful API endpoints for seamless frontend-backend communication

TECHNICAL SKILLS

Languages: Python, Java, C/C++, JavaScript, TypeScript, HTML, CSS, Assembly, Perl, PHP, SQL
Frameworks/Libraries: React, Vue.js, Node.js, JQuery, JUnit, JavaFX, Django, Flask, Scikit-learn, Pandas, NumPy, Seaborn, Matplotlib
Developer Tools: Git, VS Code, PyCharm, IntelliJ, CLion, Jupyter, Google Colab, Eclipse, AWS, Dreamweaver, Linux
Proficient in WordPress, Wix, Weebly and graphic designing tools (Canva, Adobe, Figma, LaTeX)

CERTIFICATIONS

Developing Frontend Apps with React | *IBM*   Feb 2025 (Expected)
Machine Learning with Python | *IBM*   Aug 2024
DevOPS: Code, Build, & Test | *Amazon Web Services (AWS)*   Aug 2024
Computational Thinking and Python | *MITx Online (organized by MIT)*   Oct 2021