Nevin Ada Çakmak

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Education

Honours Bachelor of Science Degree - Computer Science (Co-Op) *University of Toronto*   *September 2023 - Present*
- Relevant Courses: Introduction to Computer Science I & II, Linear Algebra I, Discrete Mathematics, Calculus I & II, Software Design
- Received an 80% (190,000$) merit scholarship and recognized on the Dean's List for academic excellence (2023 - 2024).

Projects

SwipeShield (Hack the Valley) *Python, NumPy, Matplotlib, Scikit-Learn, Android Debug Bridge, Streamlit*   **(GitHub)**
- Created a passive authentication system with biometric data, analyzed swipe pattern data and identified suspicious activity.
- Developed an **unsupervised machine learning model**, implemented **K-Means clustering** algorithm for anomaly detection.
- Designed an interactive front-end, enabling real-time data visualization with Android Debug Bridge.

RateMyCourses.org *Django, MySQL, React.js*   **(Website)**
- Contributing to RateMyCourses, a web-based platform that allows students to rate and review university courses.
- **Leading both front-end and back-end development** to improve platform functionality and usability.
- Implementing features for user authentication, course rating systems, dashboards, and ensuring smooth user experiences across devices.

Univeats: A Student Meal Planner App *React Native, Django, MySQL*   **(Github)**
- Developing a mobile app, enabling university students to plan nutritious meals.
- Implementing an algorithm for weekly meal planning based on nutritional guidelines, user preferences, and financial constraints.
- Integrating a database for managing grocery lists and meal histories, having a recipe book for simple meal recipes.

Automated Trading Program *C#, Financial Data Processing*   **(Github)**
- Developed a proprietary **trading algorithm for stock markets**, specifically tailored for investors in the BIST100 index.
- Utilized advanced data analysis techniques to make real-time trading decisions, improving trading efficiency and profitability by 14%.

Experiences

Mentee *Tech@RBC Women's Advisory Program*   *Sept 2024 - Present*
- Selected as part of the first cohort for the Tech@RBC Women's Advisory Program, focused on mentorship, skill-building, and networking opportunities for women in tech.
- Engaged in workshops, networking sessions, and mentorship programs with industry leaders and professionals from RBC to improve technical and leadership skills.

Co-Founder & Co-President *C.R.E.A.T.E.*   *January 2024 - Present*
- Co-founded and rapidly expanded the club to **50 members and an executive team of 5**, organized members into project teams, optimizing team performance and collaboration, and building a project-based structure that encourages teamwork.
- Directed **8 active tech projects**, serving as Project Manager, ensuring timely delivery of milestones through strategic planning, task delegation, and effective resource management in the span of 6 months.
- Developed, and facilitated workshops on SQL, Python, and Linux to **100+ people**, improving member expertise in core technical skills and fostering a collaborative learning environment.

Vice President of Operations *Data Science & Statistics Society (DS3)*   *April 2024 - Present*
- Leading the planning and execution of **3 events with 200+ participants** each for the 2024-2025 academic year.
- Managing **a team of 4**, overseeing task delegation, timeline management, and logistics coordination to ensure events meet organizational standards and goals.

Skills

- **Language:** Python, SQL, C, Javascript
- **Framework/Library:** Django, React Native, React.js, NumPy, Matplotlib, Scikit-Learn
- **Tools:** Git, GitHub, Eclipse, Figma, Visual Studio Code, Streamlit
- **Soft Skills:** Leadership, Planning, Organizing Events, Problem-Solving, Teamwork, Adaptability, Analytical Thinking