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 based on previous academic excellence and achievements.

Projects

SwipeShield (Hack the Valley) *Machine Learning Developer*   *(GitHub) (Streamlit)*
- Developed an **unsupervised machine learning model** for SwipeShield, a passive authentication system with biometric data.
- Implemented **K-Means clustering** algorithm for anomaly detection by using Python libraries **scikit-learn, NumPy, and Matplotlib**.
- Analyzed swipe pattern data by metrics such as x-offset, y-offset and identified suspicious activity through clustering techniques.
- Created the front-end for the project using Streamlit.

RateMyCourses.com *Software Developer*   *(Website)*
- Contributing to the development of RateMyCourses, a web-based platform that allows students to rate and review university courses.
- Working on both front-end and back-end development using technologies such as **React.js, Django, and SQL.**
- Implementing features for user authentication, course rating systems, and personalized user dashboards, and ensuring smooth user experiences across devices.

Univeats: A Student Meal Planner App *In Progress*   *(Github)*
- Developing a mobile app using **React Native, Django, Python, and SQLite**, 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 *Private Algorithm*   *(Github)*
- Built using **C#** and integrated with the financial trading app's database for real-time data processing.
- 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

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.
- Creating partnerships with external sponsors and university departments, securing funding and resources to support DS3 initiatives and expand organizational impact.

Skills

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