

# Aryan Ved

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## EDUCATION

### Bachelor of Honours Science in Computer Science, Co-op

Sept 2022 - Present

*Ontario Tech University*

- Relevant Coursework: Database Systems & Concepts, Analysis & Design of Algorithms, Data Structures, Software Design & Analysis, Scientific Data Analysis

## EXPERIENCE

### Web Developer

January 2025 – Present

*Gross Innovations (Part-Time)*

- Developed and deployed advanced financial calculators, including Burn Rate, Runway, Customer Acquisition Cost (CAC), and Lifetime Value (LTV), to support data-driven decision-making for startups and businesses.
- Engineered a dynamic web application with React.js for an intuitive and responsive front-end, while leveraging MongoDB for a scalable and efficient back-end database.
- Worked within an Agile development team to enhance UI/UX workflows, optimize front-end performance, and integrate APIs for seamless data exchange and user interaction.

### iOS Tech Support Representative

June 2024 – Sept 2024

*Transcom (Apple Service Provider)*

- Resolved complex software and hardware issues for Apple devices, including iPhones, iPads, and MacBooks, leveraging diagnostic tools and technical expertise to optimize system performance.
- Troubleshoot and resolved iCloud and Apple ID authentication issues, ensuring seamless data synchronization and account functionality across devices.
- Collaborated with cross-functional teams to escalate unresolved cases, contributing to backend support improvements and enhancing issue resolution processes.

## PROJECTS

### Exotic Car Rental App | *Dart, Flutter, Firebase*

Nov 2024 – Dec 2024

- Developed an Android app for renting exotic cars, integrating real-time availability tracking and a Firebase-based reservation system to prevent conflicts
- Engineered a robust reservation system using Firebase to mark cars as unavailable during booking periods, preventing scheduling conflicts and enhancing user satisfaction.
- Integrated a rating and review system allowing users to leave feedback on rented cars which is displayed under each vehicle to allow other users to see feedback on each rental.

### Online Library | *HTML, CSS, JavaScript, Java, Eclipse Glassfish, REST API*

Mar 2024 – Apr 2024

- Designed and developed a web-based library platform that enabled users to search for, browse, and download e-books, offering a scalable and efficient digital library solution.
- Implemented a personalized "Favorites" feature, allowing users to create, manage, and access a tailored list of preferred books through a sleek and intuitive interface.
- Streamlined front-end and back-end interactions by optimizing REST API endpoints and database queries, ensuring fast and responsive real-time updates for a seamless user experience.

### Domino Game | *Python, Tkinter*

Dec 2020

- Developed a fully functional domino game in Python.
- Enabled users to change domino shapes, randomize tiles, and access game-related information.
- Utilized object-oriented programming principles to create a modular and maintainable codebase.
- Designed an algorithm to calculate the run value of a sequence of domino pieces.

## TECHNICAL SKILLS

- **Languages:** Java, Python, C, C++, SQL (Postgres), NoSQL (MongoDB, Firebase Firestore), JavaScript, TypeScript, HTML, CSS, Visual Basic, Dart, Shell Scripting (Bash, PowerShell)
- **Frameworks:** Tkinter, Flutter, React.js
- **Developer Tools:** Git, VS Code, Visual Studio, IntelliJ
- **Libraries:** pandas, NumPy, Matplotlib, Seaborn, SciPy