ARYA PERBHAKER

Calgary, AB,T3J 2K4

368-299-2001 | aryaper8@gmail.com | [LinkedIn](#) | [GitHub](#)

SUMMARY

Software Development graduate focused on creating practical solutions to everyday problems through software. Built a driveway visualization platform that uses AI to help homeowners preview concrete materials before renovations. Developed a personal finance tracker that simplifies budgeting and expense sharing, and have worked on additional full-stack projects that emphasize usability, clear structure, and real-world applicability.

SKILLS

- **Frontend Development:** React, Next.js, Tailwind CSS, HTML, CSS
- **Backend Development**: Node.js, Django Rest Framework
- **Languages**: JavaScript, Python
- **Database Management:** PostgreSQL, MySQL, Google Cloud Firestore
- **Tools & Platforms:** Git, GitHub
- **Others**: RESTful API Development

PROJECTS

Driveway Visualization Platform using AI-powered Image Segmentation
React | Django REST | Machine Learning | PostgreSQL

- Coordinated with a team of 4 developers to develop an end-to-end image recognition platform for automated driveway detection and material visualization using deep learning segmentation models.
- Trained and fine-tuned the model over a custom dataset of 1000 images, built the complete backend in Django, and designed a PostgreSQL schema for efficient data handling.
- Designed and styled major frontend components using React, addressing layout, responsiveness, and user interaction.
- Implemented scalable features including real-time quote generation and role-based access control.

Finance tracking system
React | Next.js | Tailwind CSS | Prisma | MYSQL

- Developed a full-stack personal finance tracker to help users log expenses, categorize transactions, and view monthly spending for better budgeting
- Integrated Google OAuth for secure authentication and session handling
- Designed a responsive UI with Tailwind CSS and implemented Prisma ORM for efficient database interaction and data integrity

EDUCATION

Southern Alberta Institute of Technology (SAIT) — Diploma in Software Development
Graduated: 2025 | GPA: 3.81

- Followed Agile principles in collaborative team projects, using Git for version control and regular progress tracking
- Built and deployed full-stack applications replicating client workflows, with defined roles, deadlines, and team coordination
- Completed coursework in object-oriented programming, software architecture, and full-stack web development using modern frameworks
- Collaborated on multiple team assignments simulating real-world development environments, emphasizing planning and task division