

ARYA PERBHAKEER

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SUMMARY

Recent software development graduate who **enjoys building and experimenting** with software that solves real problems. Skilled in full-stack development using **React, Django, and Node.js**, with hands-on experience delivering real-world projects. Values **simplicity, clear structure**, and turning ideas into **clean, functional solutions**. Always working to **sharpen fundamentals** and build software that holds up under real use.

SKILLS

- **Frontend Development:** React, Next.js
- **Backend Development:** Node.js, Django Rest Framework
- **Languages:** JavaScript, Python and C#
- **Database Management:** PostgreSQL, MYSQL, Google Cloud Firestore
- **Tools & Platforms:** Git, GitHub, Visual Studio Code
- **Others:** Image Recognition Software, REST API Development

PROJECTS

Driveway Visualization Platform using AI-powered Image Segmentation

React | Django REST | Machine Learning | PostgreSQL

- Led development of 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**, built the complete **backend in Django**, and **designed a PostgreSQL** schema for efficient data handling.
- Developed a custom ML pipeline for image preprocessing, inference, and dynamic overlay rendering to simulate concrete textures.
- Designed and styled major **frontend components using React**, addressing layout, responsiveness, and user interaction.
- Implemented secure, scalable features including **real-time quote generation and role-based access control**.

Finance tracking system

React | Next.js | Tailwind CSS | Prisma | MYSQL

- Built a **personal finance tracking system** to help users effectively monitor and manage their monthly spending habits.
- Integrated **Google OAuth** for secure user authentication and verification.
- Allows users to add various transactions, and **calculate the monthly total** to provide a clear financial overview.
- Developed a complete application with a responsive frontend, robust backend, and seamless database integration to ensure reliable functionality.

EDUCATION

Software Development, Southern Alberta Institute of Technology (SAIT)

GPA: 3.81