

ARYA PUNJABI

437-985-9240 • aryapofficial@gmail.com • www.linkedin.com/in/arya-punjabi/ • github.com/arya-2407 •

EDUCATION

BSc in Computer Science

Graduating December 2026

University of Victoria

Relevant coursework: Data Structures and Algorithms, Software Development Methods, Database Systems, Operating Systems, Computer Architecture

TECHNICAL SKILLS

Languages: Python, Java, C, Kotlin, SQL, JavaScript

Developer Tools: Git, Postman, AWS EB, Docker

Frameworks/Libraries: Spring Boot, Flask, Django, PostgreSQL, PyTorch, TensorFlow, React

Operating Systems: Windows, Linux, UNIX

PROJECTS

E-commerce Store | [Source Code](#)

December 2024

Developed an enterprise level backend system for an E-commerce store.

Technologies - Java Spring Boot, PostgreSQL, AWS

- Developed an enterprise-level backend system for an e-commerce application using **Spring Boot**, enabling efficient handling of user authentication, order management, and product catalog functionality.
- Implemented **custom security** using **JWT cookie-based authentication** and **role-based access control** to protect sensitive user and transaction data.
- Integrated database solutions with **PostgreSQL** to manage complex relational data, achieving optimal query performance and robust data consistency.
- Deployed the application to **AWS Elastic Beanstalk** with **CI/CD pipelines** for streamlined updates and scalability.

Student Performance ML App | [Source Code](#)

August 2024

Developed an End to End ML application to predict math scores.

Technologies - Python, Numpy, Pandas, scikit-learn, Flask, Streamlit, AWS

- Applied various machine learning algorithms and fine-tuned hyperparameters to achieve an **87% accuracy**.
- Implemented a **modular machine learning pipeline**, encapsulating preprocessing, model training, and prediction within well-defined classes.
- Built a **RESTful Flask web application** and deployed the application to **AWS Elastic Beanstalk**, ensuring scalability, reliability, and ease of maintenance.
- Created custom data classes for **logging** and **exception handling** for seamless debugging.

WhishList | [Source Code](#)

May 2024

Developed a full-featured Whish List mobile application with CRUD functionality.

Technologies - Kotlin, Jetpack Compose, Room

- Implemented **modular design** by organizing code into distinct modules for better **maintainability and scalability**.
- Designed and implemented database management with **Room** for efficient data storage and retrieval.
- Developed and utilized **DAO objects** to define database interactions and ensure efficient data access and manipulation.
- Managed app state efficiently using **MVVM architecture**.

LEADERSHIP

StudyBuddies | [Source Code](#)

June 2024

Led a team of 4 to develop an AI Quiz App for a hackathon, securing second place.

- Directed team efforts in integrating the **ChatGPT API** into a **React** app to generate dynamic quiz questions based on user input.
- Fostered **effective communication** and **collaboration**, ensuring the team worked cohesively.
- Adapted to using **JavaScript** while having no prior experience.