

# Devstutya Pandey

[Devstutyapandey@gmail.com](mailto:Devstutyapandey@gmail.com) | +1 (236)3381844 | [www.linkedin.com/in/devstutyapandey](https://www.linkedin.com/in/devstutyapandey)

## Education

The University of British Columbia, Kelowna, BC

Sept 2021- Present

- Bachelor of Science, Computer Science, Expected in September 2025
- GPA: 3.8

## Work Experience

### SDE Internship at Proshort, India

May 2024-August 2024

- Architected and developed a comprehensive monitoring system using Grafana for querying and visualizing system health metrics and KPIs in real-time.
- Implemented RESTful APIs using FastAPI for efficient data handling and integration with existing backend services.
- Spearheaded a project integrating Notion and Confluence into our Proshort App, allowing customers to connect their organizational Notion and Confluence accounts with Proshort.

### Database development Internship at Greatship Global, India

Dec 2019- Jan 2020

- Designed and implemented a robust data foundation for the organization's information system, gaining proficiency in DBMS and SQL.
- Optimized database schema and queries with MySQL, resulting in improved overall efficiency and performance.

## Projects (<https://github.com/Devstutya>)

### Image Aesthetics Webapp

September 2024-April 2025

- Led the development of a full-stack AI-powered web application for evaluating and rating image aesthetics using deep learning models built with TensorFlow.
- Engineered a scalable frontend using Next.js with dynamic components such as a Survey Details Page featuring image rating functionality, user navigation and responsive UI/UX.
- Designed RESTful API endpoints using Flask to manage survey data and serve model predictions, integrated with Dockerized microservices.
- Built and trained aesthetic prediction models and implemented data pipelines for model input/output communication with the web interface.
- Incorporated end-to-end testing with Playwright and deployed services using Docker Compose for a modular development workflow.

### Course planner for UBC

May 2023- May 2024

- Led a collaborative project with a team of students and a professor to develop an improved Course Planner for UBCO.
- Architected and implemented a scalable MySQL database to store course information, prerequisites, and student records.
- Developed a feature-rich dashboard using React.js, integrating user-friendly features for course planning and registration.

### E-Learning Platform (Discourse)

Jan 2024 – April 2024

- Spearheaded a team of 4 students to design and develop an e-learning platform using React, Next.js, and Firebase, implementing critical features like Canvas, such as user authentication, course management, and grading systems.
- Conducted comprehensive testing using Jest, Vitest, and Playwright, and implemented CI/CD pipelines with GitHub Actions for continuous deployment.

## Skills

- Web Development: React, Next.js, Node.js, HTML5, CSS3, JavaScript, TypeScript, PHP
- Database Management Systems: MySQL, PostgreSQL, Firebase, SQLite
- OOP: Python (Pandas, NumPy, Matplotlib), C, C++, Java
- Other: Docker, GitHub Actions, GCP, Testing (Jest, Vitest, Playwright), Tableau, R, FastAPI