Devstutya Pandey

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Education

The University of British Columbia, Kelowna, BC   Sept 2021- Present
- Bachelor of Science, Computer Science, Expected in June 2025
- GPA: 3.8

Work Experience

SDE Internship at Proshort, India   May 2024-Present
- 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 organisational 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)

Course planner for UBC   May 2023- Present
- Spearheaded 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 and Node.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 similar to 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.
- Optimized performance and ensured seamless user experience through code refactoring.
- Utilized the Model-View-Controller (MVC) architectural pattern for structured and maintainable development of the web application.

Online Shopping Website(Ray's Groceries)   Oct 2023-Nov 2023
• Developed a high-performance e-commerce website using PHP and MySQL, employing advanced database design techniques with UML modelling.
• Implemented SQL queries embedded in the codebase for efficient data retrieval and manipulation.
• Achieved top-five ranking among student projects, earning a prestigious digital badge from the University for exceptional design and implementation

Skills

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