Prateek Balani

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WORK EXPERIENCE

Software Developer Intern July 2024 - September 2024

Systems Plus Pvt Ltd

- I spearheaded the development of an internal tool to automate the invoicing process for the captive team at Systems Plus. This tool significantly reduced manual data entry, leading to a 60% increase in processing speed and a marked decrease in errors.
- The project was built using the Django framework, leveraging a Python backend to handle data processing and business logic. For the frontend, I utilized HTML/CSS to create a user-friendly interface, ensuring seamless interaction for non-technical users. The project was securely hosted on the company's internal server, complying with all internal data protection protocols.
- By automating the invoicing process, the tool enhanced the team's productivity, improved accuracy in financial reporting, and allowed the company to reallocate resources to more strategic tasks. The successful deployment of this tool demonstrated the value of automation in routine processes and laid the groundwork for future automation projects within the company.

EDUCATION

The University of British Columbia Kelowna, British Columbia, Canada

Bachelor of Science in Computer Science *September 2021 - April 2025*

TECHNICAL SKILLS

Languages: Python, C, SQL/MySQL, Java, HTML/CSS, PHP, R, Lua

Frameworks & Libraries: Django, NumPy, Pandas, OpenMP, CUDA

Tools: Git, Docker, Tableau

Development: Web Development, Data Analysis, Database Management, Game Development

PROJECT EXPERIENCE

Pondr January 2024 - April 2024

University of British Columbia

- Developed Pondr, a discussion forum website inspired by Reddit and HackerNews, in a 3-person group project for a Web Development class.
- Implemented features such as account creation, post liking and commenting, multimedia posting, a trending page, and user-centered design using PHP, HTML, and CSS.
- Achieved a perfect score of 100% for delivering a fully functional, well-designed site with minimal errors.

Tixx January 2024 - April 2024

University of British Columbia

- Developed Tixx, a web application for event organization and attendance, in a 5-person team for a Software Engineering class using the Django framework.
- Implemented three user roles: User, Admin, and Event Organizer, with functionalities such as event listing, booking, integrated payments, and reviews.
- Integrated Stripe API for payment functionality, contributing to a project score of 90%.

Data Analysis on Spotify Data January 2023 - April 2023

University of British Columbia

- Conducted an analysis of Spotify's data on the music listening habits of Generation Z and Generation X, discovering intriguing differences and patterns.
- Utilized Python libraries like Seaborn, NumPy, and Pandas for data visualization to highlight differences in music listening habits.
- Created a Tableau dashboard to present findings, earning an 80% grade for the project.