Sayujya Satyal

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Personal Profile Statement

A motivated, adaptable and responsible BIM undergraduate with a growing passion for software development. I am seeking an opportunity in this field which will allow me to apply the professional and technical skills developed through the course and hands-on project experience. I have a strong drive to see things through completion and recently been building and deploying full stack projects, further strengthening my practical development skills.

Achievements

- Completed the **LSRA Research** and published a paper as the co-author on St. Xavier's College Magazine titled *"Predictive Modeling for Customer Churn Prediction in E-Commerce: A Comparative Study of Machine Learning Algorithms"*

Education

- **2016   SLC   Little Angels' School**
3.65 GPA with Computer Science and Optional Mathematics

- **2017-2018   Plus Two   United Academy**
3.23 CGPA with Physics, Chemistry, and Computer Science

- **2021-Present   BIM under TU   St. Xavier's College**
Completed 7 Semesters with Scholarship in all the semesters
Relevant Semester Score and Relevant Subjects/Tools
  - **1st Semester:** 3.85 (C programming)
  - **2nd Semester:** 3.93 (Java)
  - **3rd Semester:** 3.90 (Web Development)
  - **4th Semester:** 3.80 (Backend [PHP, Laravel] and Database [Postgres, Oracle])
  - **5th Semester:** 3.80 (Python and AI)
  - **6th Semester:** 3.97 (Business Information System [Python and Microsoft SQL])
  - **7th Semester:** pending (E-Commerce [NextJs] and Data Mining)

Projects

- **Indigo Gallery Kathmandu**
  A collaborative project developed with a teammate to build a **CMS platform** for Indigo Gallery Kathmandu based on their requirements and design guidelines. I primarily focused on backend development using **Node.js, TypeScript, and MongoDB**, while also contributing to frontend components in **React**. The project is fully completed and currently in the deployment phase.

  Link: https://indigo-rouge.vercel.app/

- **TheraFind, A Social Platform for Mental Health**
  This project was completed as part of the BIM 6th Semester and is a social platform designed to connect therapists with patients or individuals seeking mental health support. The platform allows users to predict their mental health concerns based on text input, send therapy requests based on therapist reviews, communicate through text or video calls, and securely share documents. The system was built using the **MERN stack with TS**, incorporating an **Artificial Neural Network (ANN) model hosted via Flask** for predictive analysis.

  GitHub: https://github.com/AyjuYaas/therafind
  Link: https://therafind.vercel.app/

- **Niraamayaee Gym App**
  This project, completed as part of my final-year coursework, involved developing the Niraamayae Personal Trainer application to address the operational needs of a local gym. The platform enables trainers to assign daily workout tasks to individual users, who can then track their progress by marking tasks as completed. The application was built using the **MERN stack** and focuses on improving trainer–client interaction and task management efficiency.

  GitHub: https://github.com/AyjuYaas/niraamayaegym
  Link: https://niraamayaegym.vercel.app/
  Login Credentials: test1@gmail.com, Password@123

- **PenguinaMart, An E-commerce Platform**
  Developed a full-stack e-commerce platform for BIM 7th semester E-commerce subject using **Next.js**, integrating **eSewa payment** gateway for seamless transactions. The application allows users to browse products, add items to cart, and complete payments securely. Focused on both frontend and backend development, implementing modern web practices for a smooth and responsive user experience.

  GitHub: https://github.com/AyjuYaas/penguinamart
  Link: https://penguinamart.vercel.app/

Technical Skills

Proficient
- Node.js
- React
- Next.js
- MongoDB
- PostgreSQL

Intermediate
- Python
- Flask
- Machine Learning

Learning
- Spring Boot
- Docker

References

Er. Rajan Karmacharya
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