

Shubham Shrestha

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EDUCATION

The College of Idaho

Aug 2022 - Present

Bachelor of Computer Science and Bachelor of Business Administration

Expected Graduation: May 2026

Leadership: President of Nepali Student Association, Pro-Consul of Sigma Chi, Vice-President for Asian Student Association, Vice-President for Interfaith

SKILLS

Programming languages: Python (Proficient), JavaScript (Proficient), JAVA (Intermediate), NodeJS (Intermediate), PHP(Intermediate), Flutter (Intermediate), R(Intermediate)

Computer software/ frameworks: Microsoft Office, React, Adobe Photoshop, ThreeJS, jQuery, Git, Android Studio, Blender

Databases: MySQL, SQLite

Soft Skills / Concepts: Leadership, Time Management, Project Management, Scrum Project, Object Orient Programming, Data structure, Numerical Computation, AI prompt Engineering, AI, Linear Regression, Multiple Regression, K-Nearest Neighbor, Model Comparison

Package: Tidiverse, Tidymodel, GGplot, GGformula

PROFESSIONAL EXPERIENCE

Cloud factory - Remote

Feb 2022 – May 2022

Image Analyst and AI Trainer

- Mapped **350+ rooftop structures** using advanced **3D modeling** software for the NearMap Project.
- Trained AI to located different types of vehicles for a Car Driving System using **LiDAR Technology**.
- Trained AI models with **500+ images** and LiDAR data, boosting vehicle detection accuracy by **20%**.

College of Idaho - Caldwell, ID

Sept 2023- Aug 2024

IT Tech Support

- Provided technical support for **1000+ students**, resolving over **100+ software/hardware issues** in a timely manner.
- Managed and troubleshoot **100+ authentication cases**, reducing system downtime by **30%**.
- Collaborated with a team of **5 IT professionals** to enhance support workflows, improving work efficiency by **50%**.

PASSION PROJECT

College Of Idaho Student Body Voting System

Winter 2025

- Developed a secure online voting platform for **25 student senators**, achieving **40% efficiency** during voting periods.
- Processed over **100 vote** transactions using **Node.js** and **SQLite**, with robust **encryption** and **zero security breaches**.
- Implemented **real-time monitoring** that reduced **discrepancies by 40%**, ensuring a **transparent** and **fair election** process.

Hayman 3D Modeling

Summer 2024

- Created an **interactive 3D model viewer** with **Three.js** and **React**, serving over **300 users** for **dorm visualization**.
- Integrated **API functionality** to update **10+ dorm models** in real time, enhancing the decision-making process for new students.
- Increased user engagement by **80%** compared to previous visualization tools through a **dynamic** and **user-friendly interface**.

Basic Car Buying Renting System (Car-System)

Spring 2022

- Built a Java-based platform facilitating **100+ car transactions**, integrating **comprehensive data management** features.
- Leveraged **OOP principles** to create **modular code**, reducing maintenance and update time by **25%**.
- Utilized **Git** for **version control**, enabling effective collaboration among a team of **3 developers**.

Expense Tracking Mobile Application (Expense Tracker)

Winter 2024

- Developed a fully functional **Android application** using **Flutter** and **Android Studio** that allows users to track daily expenses across **10+ categories** and manage budgets effectively.
- Reduced development time by **50%** through the integration of advanced **AI prompt engineering** techniques, enabling rapid feature **iteration** and **debugging** within a **3-week sprint**.
- Implemented **real-time data visualization** and **automated expense categorization**, resulting in a **30% improvement** in user efficiency during beta testing.