

Yujal Shrestha

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Profile

Dedicated Computer Engineering student at Pulchowk Engineering Campus with a strong academic record and a passion for technology. Fluent in English and Nepali, with proficiency in multiple programming languages and graphic design tools. Experienced in both technical and creative fields, seeking opportunities to apply skills and contribute to innovative projects.

Education

Secondary Education Examination (SEE)

Mt. Sagarmatha Brilliant's Academy, 2075

GPA: 3.95 (A+)

+2 (Science)

The Times International College, 2076–2078

GPA: 3.78 (A+)

Bachelor's Degree in Computer Engineering

Pulchowk Engineering Campus, 2078–Present

1st Semester: 86.75%

2nd Semester: 90%

3rd Semester: 85.82%

4th Semester: 86.67%

5th Semester: 80.32%

Technical Skills

Programming Languages: Python, C/C++, Java, JavaScript

Frameworks: Flask, NextJS, React Native

Libraries: OpenCV, ReactJS, Bootstrap, TailwindCSS

Developer Tools: Git, GitHub, Visual Studio Code

Design Software: Adobe Photoshop, Adobe Illustrator, Figma, Canva

Projects

Voice Assistant App

2022 May- 2022 Sep

Developed a voice assistant capable of executing basic commands on a computer, such as opening applications and providing weather updates, using C, Python and Google Speech Recognition API.

BCT Royale

2023 May- 2023 Sep

Created a LAN multiplayer game using C++, allowing players to connect and compete in real-time within a local network.

Scimatch: Open Marketplace for Science Projects

2023 Oct

Developed an open marketplace platform using ReactJs where users can collaborate on science projects initiated by others.

DSA Delights

2024 Jan- 2024 Mar

Built a recipe book application using Python, enabling users to browse, search, and save their favorite recipes.

Smart Lagani

2024 Jan

Built a mobile application using React Native that allows users to track and invest in stock markets. Focused on responsive design and optimized the user experience for mobile devices.

AI Insights

2024 Jun

Developed an AI-powered application designed for comprehensive data analysis and predictive insights using ReactJs(frontend) and Flask (Backend). The LLM powered platform integrates machine learning models and dynamic data visualization, supporting decision-making in sectors such as business, health-care, and policy-making

AutoFillMe

2024 Nov

Built a document data extraction and auto-entry platform using NextJS(frontend) and FastAPI python (Backend) that simplifies form filling by extracting data from digital documents and photos of physical forms using advanced Optical Character Recognition (OCR), machine learning, and natural language processing (NLP).

Automatic Exam Grading System

2024 Dec- 2025 Apr

Created an automatic exam grading system that uses OCR and AI to evaluate handwritten and multiple-choice answer sheets. The system extracts text using PaddleOCR, grades subjective answers using a language model with context retrieval, and evaluates MCQs through optical mark recognition. It also detects and assesses diagrams using a custom-trained YOLOv8 model, enabling fair and efficient grading across diverse answer formats.

Experience

Software Engineer, Beta Quants

2025 Feb - Present

Leading mobile and web app development initiatives. Designing scalable architecture, coordinating cross-functional teams, and ensuring seamless user experiences for financial applications.

Designer, Locus 2023

2023 Jun - 2024 Jan

Joined Locus as a Graphics Designer, where I contributed to creating innovative and impactful designs for various projects and events.

Design Chief, Locus 2024, Locus 2025

2023 Jun - 2025 Jan

Promoted to Design Chief, where I had the privilege to lead a talented design team, overseeing creative strategies and developing creative graphics.

Digital Media Designer, Zerone

2023 Jun - 2024 Nov

Served as the Digital Media Designer for Zerone, an annual magazine. Played a key role in crafting visually compelling layouts and digital assets to elevate the publication's presence.

Achievements

Hult Prize at IOE 2024 Pulchowk Campus Finalist: Reached the finals with the project Vision Krishi, an IoT solution for farming.

Locus 2024 Hack-a-Week Finalist: Reached the finals with the project Smart Lagani, a stock market app.

Trainings and Courses

Front-End Development with ReactJS

Computer Basics and Office Handling Courses

Graphic Design Courses (Adobe Photoshop, Illustrator)