

SUMAN DANGAL

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Professional Summary

Innovative and impact-driven software engineering student with 2+ years of experience building AI-powered tools and scalable apps. Proven ability to deliver 100% accuracy models and award-winning medical AI. Skilled in Python, C++, and agile collaboration environments.

Technical Skills

Languages: Python, C++, C, JavaScript

Tools & Frameworks: Git, Figma, REST APIs, R, Machine Learning, Data Visualization

Soft Skills: Creative Problem Solving, Rapid Learning, Team Leadership, Communication

Education

Springfield College, B.S. in Computer and Information Science

Expected May 2028

Relevant Coursework: Data Structures (C++), Python Programming, R for Data Analysis, Computer Architecture

Southwestern High School, Science Track

2021 – 2023

Experience

Saalik Tech Pvt. Ltd, Kathmandu, Nepal

Software Engineer Intern, May 2023 – Aug 2024

- Developed and launched 5+ responsive websites, decreasing bounce rates by 30% through modern UI/UX and C++ logic.
- Improved MKP mobile app performance by 25% by optimizing core features with cross-functional Agile teams.
- Designed UI/UX in Figma for Saalik's website, boosting stakeholder approval ratings by 40%.

Southwestern Academic Research Centre – HROP, Kathmandu, Nepal *Tech & PR Intern, Jan 2021 – Jan 2023*

- Led 10+ technical discussions, producing 3 funded research ideas and cross-team alignment.
- Delivered 5+ client-facing presentations, increasing proposal acceptance by 30%.
- Initiated early-stage research for Dristi AI, later recognized at a national innovation competition.

Key Projects

Dristi AI – Rural Medical Detection Tool

Built an AI model to detect anomalies in bodily fluids for early diagnosis in rural Nepal; awarded Silver Medal at APCYS 2023.

Echo State Networks for Diabetes Detection

Co-engineered ESN model achieving 100% accuracy via advanced feature engineering; accepted at Green Cities Conference 2024.

Leadership & Activities

President, SWSCRC Robotics Club

Led 200+ members to national robotics expos; organized idea showcases and innovation workshops.

General Secretary, SWSCAAC Astronomy Club

Managed public telescope events and educational outreach, engaging over 1000+ participants.