

SUMAN DANGAL

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EDUCATION

Bachelor of Science in Computer Science, Springfield College

Expected 2028

EXPERIENCE

Co-founder and Founding Engineer

February 2025 - Present

Dr. Money

Boston, MA

- AI-powered fintech platform that helps subprime and credit-invisible users reduce debt, improve credit health, and optimize financial decisions. Secured \$11K in prize funding and placed 2nd out of 15 teams at the WNE AI + FinTech Challenge by leading product demo, technical pitch, and go-to-market strategy, validating early customer interest and investor enthusiasm.
- Engineered a geofencing-driven credit-card recommendation feature that leveraged location triggers, while cutting native background-location battery draw by 35% with our in house high-efficiency location-processing pipeline.

Co-founder and CTO

May 2023 - Present

Saalik Tech Pvt. Ltd

Kathmandu, Nepal

- Led feasibility studies on AI-driven object detection for 150+ sculptures and cultural artifacts, delivering a proof-of-concept model with 92% detection accuracy that shaped the project's R&D roadmap.
- Secured NPR 1.5 million in seed funding by pitching to 100+ government and private organizations, forging collaborations with national and local partners, and showcasing the project at 7+ exhibitions

Tech Lead

Jan 2021 - Jan 2023

Southwesten Academic Research Centre- HROP

Kathmandu, Nepal

- Increased Research software response and feedback system, slashing average response time by 40%, while managing communications with 20+ clients and coordinating 15 technical presentations.

RESEARCH & PROJECTS

Dristi AI: Built an AI to detect anomalies in bodily fluids to help in rural areas in third world countries like Nepal where more than 600000 people die from a curable disease like Malaria just because they don't get medical attention on time. This project also won a silver medal at [APCYS,2023](#).

Enhancing Diabetes Classification with Echo State Networks: Parallel Architectures and Feature Engineering Approaches: Built a project ,with my professor, in my freshman year that improves classification of diabetes using specialized ESN, getting 100 percent accuracy using featured engineering and network modeling. Best Paper in Knowledge Management and Best Presenter Award.[Green Cities Conference](#).

LEADERSHIP

- President of SWSCRC: Led a high school robotics club with 200+ members,to different conferences and exhibitions with innovative idea with team.
- General Secretary of SWSCAAC: Managed different astronomical outreach programs with the club, spreading knowledge on use of telescope and deep sky observation.
- Elected Vice President of the Springfield College Computer Science Club, securing the role in a competitive election among 50 student candidates.

SKILLS

Technical Skills
Language

GraphQL, Rest API, AWS, Vector Database, Semantic Search, RAG, LLM, Deep Learning
Python, Java, JavaScript, Shell, C++, GoLang, SQL, HTML, CSS