

AREKH SHRESTHA

Computer Engineer | Full-Stack & Cross-Platform Mobile

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SUMMARY

Computer Engineering student with practical experience building scalable web and cross-platform mobile applications using React, React Native, Node.js, and MongoDB. Proven track record in event coordination, real-time system design, and technical leadership across national level tech initiatives.

SKILLS

Languages: Python, JavaScript, TypeScript, SQL, C, C++

Backend: Rest API, Express, Node, JWT Authentication

Frontend: React, React Native, Vite, Tailwind CSS

Database: MongoDB, MySQL

Cloud / Devops: Render, Vercel, Git, GitHub

Tools: Postman, Figma, Canva

PROJECTS

EF Hult Prize KU Website | Live

React, Node.js, Express, MongoDB

- Developed a custom admin dashboard and REST API to streamline team registration management and reduce manual administrative work.
- Built a responsive website for programmes, events, and organizing committees, with a scalable structure to support future committee updates and improve access to information for students.

WePay: Blockchain-Based Offline Payment App | GitHub

React Native, Node.js, Express, MongoDB

- Enabled transactions with no internet connection, by building an offline queue that syncs to the blockchain network on reconnection.
- Made financial operations tamper-resistant, by implementing secure transaction processing, wallet integration and authentication.

Lekha: Personalized Expense Tracker App | GitHub

React Native, Redux, AsyncStorage

- Engineered a mobile expense-tracking application using React Native, enabling users to log transactions and monitor personal budgets efficiently.
- Designed a responsive and intuitive Android UI focusing on streamlined navigation and minimal user friction.
- Implemented local data persistence and state management to deliver instant balance updates and offline usability.

Imposter Who? : Online Multiplayer Party Game | Live

React, Vite, Tailwind

- Engineered a real-time, browser-based social deduction game enabling custom room creation, secret role distribution, and live state synchronization.
- Designed a responsive, mobile-friendly interface focused on seamless room joining and continuous player interaction without page reloads.

EDUCATION

Bachelor of Engineering in Computer Engineering

November 2023 - Present

Kathmandu University, Dhulikhel, Kavre

School Leaving Certificate

November 2023

Valmiki Shiksha Sadan, Bharatpur, Chitwan

Secondary Education Examination

May 2021

SOS Hermann Gmeiner School Bharatpur, Bhratpur, Chitwan

EXPERIENCE

EF Hult Prize at Kathmandu University

Sep 2026 – Present

Deputy Campus Director

- Co-lead organizing committee operations and strategic execution for the campus-level social entrepreneurship program, guiding student teams through startup incubation stages.
- Oversee cross-functional teams across event planning, sponsorship outreach, marketing, and logistics to deliver workshops, pitch competitions, and mentorship sessions.

Leapfrog Technology

Apr 2026 – Oct 2026

Student Partner - Partnership Program

- Gained direct exposure to modern software engineering workflows, industry standards, and emerging technology stacks through structured mentor-led sessions.
- Organized and facilitated technical workshops and knowledge-sharing sessions for peers to foster practical learning and bridge academic concepts with software industry practices.
- Collaborated with industry professionals to advocate software development best practices, career roadmaps, and modern tech trends within the student community.

Kathmandu University Robotics Club (KURC)

May 2026 – Jul 2026

Event Coordinator – Aavishkar 2026

- Directed cross-functional teams in planning and executing Aavishkar 2026, managing venue logistics, schedule operations, and sponsor communications.
- Coordinated high-profile technical competitions including 15kg Battlebot, Hardware Hackathon, Autonomous Line Following, and Aquabot alongside non-technical workshops and exhibitions.
- Facilitated seamless inter-team collaboration to streamline arena setups, hardware troubleshooting zones, and real-time match scheduling for participants nationwide.

AIESEC in Kathmandu University

Feb 2025 – Aug 2025

Team Leader – Promotions

- Led the promotions team in driving recruitment campaigns, achieving 75% of the overall signup target through strategic digital marketing and visual design.
- Grew social media follower base by 15% by conceptualizing and designing a consistent weekly graphics series to boost brand engagement.
- Contributed to 14% of total new member conversions by executing targeted word-of-mouth outreach alongside digital promotional strategies.