Sabin Thapa *Computer Engineer*

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Profile

I'm a full-stack engineer focused on web and mobile app development, with a strong inclination toward AI integration. I'm also passionate about leadership, public speaking, and team management, driving innovation and collaboration in tech communities.

Education

2018/08 – 2023/06 Dhulikhel	**Bachelors in Computer Engineering** *Kathmandu University* **CGPA: 3.92**

Skills

Languages
JavaScript/TypeScript, C, C++

Frontend
NextJS, MaterialUI, Tailwind CSS, GraphQL

Backend
Node.js, Express.js, Apollo GraphQL, nexus

Database
PostgresSQL, MongoDB

JavaScript Frameworks/Libraries
ReactJS, NextJS, Redux, Redux Toolkit, ContextAPI, react-hook-form, Aceternity UI

Others
Git, GitHub, Firebase, Soft(Communication, Leadership, Management)

Work Experience

2025/04 – present Kathmandu, Nepal	**Senior Software Engineer** *Naamche* • Leading multiple projects, including Turnit, SriNivasam, and internal AI-powered tools at Naamche. • Overseeing architecture, development, and team coordination while mentoring interns and junior engineers.
2024/03 – 2025/03 Kathmandu, Nepal	**Software Engineer Level 2** *Naamche* ↗ • Led a 7-member team on the Turnit project, driving development and strategy. Spearheaded the Turnit Vendor App, Turnit Manager App, and Turnit Manager Web App. Developed **Landrum**, an AI assistant for data-driven insights. • Key contributor to **RolePlay Realty**, an internal AI-powered simulation platform for first-time homebuyers, integrating voice-based interactions with AI real estate experts.
2023/07 – 2024/03 Kathmandu, Nepal	**Associate Software Engineer** *Naamche* ↗ • Developed and optimized client-side and server-side architectures for **Turnit**, enhancing user experience across the **Turnit Manager** and **Turnit Vendor** apps. • Led key implementations, including **Firebase authentication, GitHub Actions for OTA updates, Stripe payments**, and major feature enhancements, resolving **99%** of QA-reported bugs.

2023/04 – 2023/07 New Baneshwor, Nepal	**Fullstack Software Intern** *Fusemachines* ⧉ • Developed a web-based annotation tool at Fusemachines for text extraction, language identification, transliteration, and CSV data storage.

Volunteering Experience

2025/02 Himalaya College of Engineering	**Sponsor and Technical Judge at CodeYatra 2025** • Represented GitHub Education as a Silver Sponsor, gave a session on GitHub Education and served as a technical judge, judging over 131 participants in person.
2022/04 – present GitHub	**GitHub Campus Expert** ⧉ • As a **GitHub Campus Expert**, I have mentored, supported, and advised **15+ hackathons and workshops** in **Nepal and Malaysia** and continue contributing to tech communities.
2024/11 German Homes Hospitality, Kathmandu	**Advisor at GitHub Field Day Nepal 2024** • Helped organize the third iteration of GitHub Field Day Nepal with over 50 student leaders from all across the country.
2024/10 Sunway University, Kuala Lumpur, Malaysia	**Advisor and special guest at GitHub Field Day Malaysia 2024** • Helped organize the first-ever GitHub Field Day Malaysia and attended the event in person as a special guest.
2024/05 Kathmandu University	**Speaker at Software Freedom Day 2024** • Gave a session on GitHub x FOSS and sponsored the event with GitHub swags representing GitHub Education.
2024/05 Deerwalk Institute of Technology	**Mentor at DeerHack 2024** • Mentored the second iteration of the 48-hour hackathon held at Deerwalk college, and sponsored the event with GitHub swags.
2023/09 Madan Bhandari Memorial College	**Mentor at Ideax 2023** • Mentored the 48-hour hackathon held at Madan Bhandari College, and sponsored the event with GitHub swags.
2023/09 Kathmandu University	**Mentor at KU HackFest 2023** • Mentored the second iteration of the 48-hour hackathon held at Kathmandu University, and sponsored the event with GitHub swags.
2023/08 German Homes Hospitality, Kathmandu	**Head of operations at GitHub Field Day Nepal 2023** • Organized the second-ever GitHub Field Day Nepal with over 50 student leaders from all across the country.
2023/05 Deerwalk Institute of Technology	**Mentor at DeerHack 2023** • Mentored the 48-hour hackathon held at Deerwalk college, and sponsored the event with GitHub swags.
2022/08 Kathmandu University Computer Club	**Organizer and Mentor at KU Hackfest 2022** ⧉ • Mentored the participants on ReactJS, Git, and GitHub.
2022/08 Kathmandu University	**IT Meet '22 Event Lead Coordinator** ⧉ • Coordinated with event managers by effectively communicating with them and regularly tracking the progress of around 20 events (Gaming, tech, and non-tech).

2022/01 IOE, Pulchowk Campus	**Mentor at Vertex Hacks** ⌑ • Mentored and supported the 3-day hackathon held at NATHM, Kathmandu representing GitHub Education.
2022/01 – 2023/02 Kathmandu University Computer Club	**JavaScript Community Coordinator** ⌑ • Responsible for conducting workshops, meetups, and talk sessions in the community related to the JS domain. **Delivered Workshops** • **GIT & GITHUB WORKSHOP** - Texas International College, Kathmandu • **Version Controlling with Git** - Online • **JavaScript Community Gathering** - Kathmandu University

Projects

RolePlay Realty ⌑
AI-Powered Homebuying Guide
• Led the development of RolePlay Realty, an AI-powered interactive simulation platform that helps first-time homebuyers navigate the buying process through roleplay and voice-based interactions with AI real estate experts.
• Developed an AI-driven coaching system for mortgage comparisons, negotiations, and closing cost simulations, integrating OpenAI tool calling for intelligent responses.
• Managed authentication and real-time data storage using Firebase, ensuring seamless user interactions and data integrity.
  Tools: *Next.js, OpenAI Tool Calling, Firebase*

Personal Portfolio
• Designed and developed my portfolio using Next.js, showcasing my work and experience with a sleek, responsive UI.
  Tools: *Next.js, Aceternity UI, ShadCN, Tailwind CSS* ⌑

Turnit - Property Management Ecosystem ⌑
• Led development of Turnit Manager Web, Manager App, and Vendor App, optimizing property management for Crawford Hoying.
  Tools: *Next.js, React Native, Node.js, Firebase, OpenAI API, Stripe, GitHub Actions*

Kinder Web Application
• Developed a platform where parents and teachers can easily collaborate to track children's academic activities and progress in Kindergartens.
• Created database designs and implemented the models in Django.
  Tools: *Django, HTML, CSS, SQLite3*

Canvas Webapp
• Developed a web application, which is a clone of the online learning application - Canvas.
  Tools: *ReactJS, Redux Toolkit, Mui*

KU-Net Mobile Application
• Developed a mobile application aimed at creating a social network for the students of Kathmandu University.
  Tools: *React Native(Expo CLI), Firebase*

PocketHealth Mobile Application
• Developed a general health records-keeping app using FHIR protocol.
• Designed and developed the UI, created and implemented database designs, and implemented user authentication by consuming the API from the backend.
  Tools: *DJANGO REST FRAMEWORK, React Native(Expo CLI)*

Certificates

GitHub Campus Experts Training ⧉
GitHub

JavaScript Essentials Training ⧉
LinkedIn

Introduction to Data Warehousing ⧉
DataCamp

Git and GitHub Introduction ⧉
Coursera

Intermediate SQL ⧉
DataCamp

Complete JavaScript Course ⧉
CodeCademy

Advanced React ⧉
Coursera

Developing Cloud Apps with Node.js and React ⧉
IBM | Coursera

Developing Back-End Apps with Node.js and Express ⧉
IBM | Coursera

DevOps Beginners to Advanced with Projects ⧉
Udemy