

# Tilak Thapa

Full-Stack Web/App Developer / MERN Stack

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Curiosity-driven full-stack web/app developer, constantly pushing the boundaries of what's possible to create innovative and seamless digital solutions.

## Experience

### Developer / Technical Team

Hybrid / April 2024 - present

Association of Computer Engineering Students (ACES) - Student-led non-profit organization

- Engineered and optimized the organization's portfolio website, boosting online presence and engagement by 107.6%.
- Built and launched custom websites for major initiatives like Tech Fest and ACES Lab, enhancing event participation and attracting *sponsorships* from prominent brands.
- Led hands-on workshops as an instructor*, empowering members with practical skills and contributing to their professional development.
- Coordinated and executed flagship events such as InternFest, hackathons, and quizzes, driving innovation and collaboration.

### Web Developer Intern

Remote / Feb 2024 - Sep 2024

Neonshark - Digital Solution, for every business need

- Led and directed* a team across 5+ projects, ensuring precise planning and impactful execution, enhancing team synergy, and driving high-quality outcomes.
- Delivered 10+ projects* within deadlines, collaborating effectively with cross-functional teams to fulfill client objectives. *Notable projects included an e-commerce platform for cricket gear, a course-selling platform, and a job listing platform similar to Internshala, all of which earned client trust and fostered long-term engagement.*
- Built strong client rapport by actively listening to their needs and offering bespoke solutions that added significant value.
- Optimized workflows through collaboration with senior leadership and team members, improving efficiency and streamlining processes.

## Featured Projects

### JuJu - Your Story, Your Stage

Demo

A creative platform for users to share short-form videos and music, focused on originality and community engagement.

Backend Dev | Technologies Used: Next.js, Express.js, Typescript, Node.js

- Designed and built scalable backend architecture to handle user content and media uploads efficiently.*
- Implemented a content moderation system to flag inappropriate videos or audio.
- Developed a personalized recommendation system based on user behavior, content tags, and popularity trends.
- Focused on performance, maintainability, and clean API design.*

### Vivid Tab: A new tab, a new vibe.

[Github](#) / [Demo](#)

Customize your new tab with bookmarks, weather, to-dos, and more for a vibrant, productive browsing experience.

Technologies Used: Plasm.js, React.js, Typescript, Tailwind CSS

- Unlimited bookmarks, smart search (AI + YouTube), and drag-and-drop customization.
- Built-in to-do lists, sticky notes, and real-time weather based on location.
- Fully free, open-source, and designed with user-centric flexibility.

### Bumblebee 2.0 - AI Powered Chatbot

[Github](#) / [Demo](#)

Bumblebee 2.0 is an AI-powered chatbot built using the MERN stack, integrating Google's Gemini AI model to provide intelligent responses, with a unique profile inspired by the Transformer character Bumblebee.

Technologies Used: React.js, Express.js, Typescript, MongoDB, Tailwind CSS

- Built a web-based AI chatbot with user-friendly interactions.
- Integrated Google's Gemini AI model for context-aware responses.
- Implemented a credit system for chat interactions, allowing users to manage usage.
- Developed an authorization system with guest login functionality for seamless access.

### Javasports - E-commerce Platform

[Demo](#)

Javasports is an e-commerce platform offering a wide range of sports goods and equipment, designed for seamless shopping with a user-friendly interface and secure payment options. This project was completed during my internship at *Neonshark*

Technologies Used: React.js, Redux.js, Tailwind CSS, Tanstack Query

- Led front-end development for the platform, completing *over 70%* of the front-end work, including the admin panel.
- Integrated full-fledged payment processing, enabling secure *transactions from cart to checkout*.
- Developed a responsive shopping cart system, ensuring smooth item selection, review, and checkout process.
- Collaborated with the team to ensure seamless API integration and optimize the overall user experience.

## Core Skills

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- Next.js, React.js, Redux.js, Framer Motion, Tanstack Query, Zustand
- Firebase, MongoDB, Express.js, Nest.js, Redis, Prisma
- React Native, Expo
- Typescript, Node.js, Javascript, Tailwindcss, CSS, HTML, MDX

## Education

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### IOE Purwanchal Campus, Dharan

2023 - 2027 (expected)

- Bachelor of Computer Engineering

## Additional Information

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- Led week-long HTML, CSS, and JavaScript workshops.
- Participated in and organized hackathons.
- Write blogs to share insights and learning.
- Contribute to open-source communities.