

Tilak Thapa

Full-Stack Web Developer | MERN Stack | AWS (EC2, S3)

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Curiosity-driven developer with over 2 years of combined experience, including nearly 1 year of professional development and an additional year of freelancing and continuous learning. Skilled in building robust web apps using the MERN stack and Next.js, paired with hands-on expertise in Docker and cloud deployment on AWS.

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

@jrtilak/lazykit - Drop the Excess, Keep the Impact!

Github | Demo

LazyKit is an open-source toolkit offering collection of utility functions and React hooks to simplify JavaScript and TypeScript development, enabling quick integration with minimal setup.

Technologies Used: Next.js, Vitest, Typescript, Node.js, Tailwind Css, MDX,

- Developed an open-source collection of utility functions and React hooks, streamlining JavaScript and TypeScript workflows for developers.
- Implemented CLI support for seamless integration, allowing developers to add utilities directly to projects with minimal setup.
- Used by nearly 1,000 developers, with continuous contributions from the community enhancing the toolkit's functionality and reach.
- Tested and optimized for reliability, providing peace of mind that all functions are production-ready and well-suited for various projects.

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.

ACES Web - IOE

[Demo](#)

ACES Web is a full-stack platform for the Association of Computer Engineering Students (ACES) at IOE, Purwanchal Campus. It features client-side functionality, an admin panel, and APIs. Developed while working with the ACES team

Technologies Used: Next.js, Typescript, Mongodb, Tailwind Css

Techfest Web - ACES

[Demo](#)

Techfest Web is an interactive platform for showcasing and managing events like Hackathons, UI/UX Showdowns, and more. Developed for the ACES team, it uses Next.js, Three.js, and TailwindCSS to deliver a dynamic user experience and visually engaging interface for event participation.

Technologies Used: Next.js, Typescript, Three.js, Tailwind Css, MDX

Core Skills

- Next.js, React.js, Redux.js, Framer Motion, Three.js, Tanstack Query, Zustand
- Firebase, Mongodb, Express.js,
- Docker, AWS (EC2, S3)
- Typescript, Vitest, Node.js, Javascript, Tailwindcss, CSS, HTML, MDX

Education

IOE Purwanchal Campus, Dharan

2023 - 2027 (expected)

- Bachelor of Computer Engineering

Additional Information

- 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.