Utsav Guragain

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Summary

Passionate Computer Engineer with a Bachelor's degree from Tribhuwan University and expertise in frontend development using React.js and Next.js. Skilled in building user-friendly web applications, as demonstrated in projects like Homaale and a Codepen Clone. Proficient in Python, Django, and MERN Stack, with a strong foundation in ML and cryptography from academic projects. Committed to creating innovative solutions and collaborating with teams to drive technological advancement. Eager to contribute technical skills and creative problem-solving to dynamic IT environments.

Skills

- React.js (Next.js)
- Mathematics
- Postman
- Database Management
- C and C++ Proficiency
- Python with Django
- Graphic Design
- Patience and Empathy
- Problem-Solving
- Creative Thinking
- Collaboration and Teamwork
- Public Speaking

Education

Bachelor of Engineering in Computer Engineering Nov 2019 – Jul 2024
Kantipur Engineering College, Tribhuwan University, Dhapakhel, Lalitpur
Percentage: 62.91 / 100

School Leaving Certificate (SLC) Jul 2017 – Jul 2019
Prasadi Academy, Lalitpur
GPA: 3.5 / 4.00

Secondary School (SEE) Jun 2017
Tender Feet Boarding School, Morang
GPA: 3.71 / 4.00

Experience

Software Engineer (Next.js) Dec 2024 – Present
Cagtu Nepal, Kathmandu, Nepal
- Developing web applications using Next.js on top of React framework.
- Collaborating with teams to enhance user interfaces and optimize performance.
- Implementing server-side rendering (SSR) and static site generation (SSG) with Next.js for improved SEO and faster initial page loads on service listing and task posting pages.
- Building responsive and accessible user interfaces for task creation, service browsing, provider profiles, booking flows, and real-time quote negotiation features.
- Integrating frontend with backend APIs (REST/GraphQL) to handle user authentication, task postings, payments, reviews, and reward point systems.
- Optimizing application performance through code splitting, lazy loading, image optimization, and memoization techniques to ensure smooth experience on mobile and desktop.
- Utilizing Git for version control: managing feature branches, committing changes with clear messages, creating and reviewing pull requests on GitHub, and resolving merge conflicts in a collaborative team environment.
- Participating in code reviews, implementing best practices for clean code, and contributing to component libraries for reusable UI elements (buttons, cards, modals, forms).

Software Developer Intern Sep 2024 – Dec 2024
Cagtu Nepal, Kathmandu, Nepal
- Worked in frontend development tasks, focusing on React.js projects.
- Contributed to debugging and improving UI components.

Home Tutor (Mathematics, Physics) April 2024 – Present
Freelance, Kathmandu
- Providing personalized tutoring to high school students (Grade 9–12) in Mathematics and Physics.
- Helping students improve grades, clear concepts, and prepare for SEE and +2 board exams.
- Known for patience, clear explanation, and ability to simplify complex topics.

Projects

Mero Udhyog Link
- Built a SaaS factory management system for small-scale industries to manage orders, deliveries, and audits.
- Implemented the complete financial module, including ledger and trial balance.
- Developed using Next.js on the frontend and FastAPI with PostgreSQL on the backend.

Good Providores Link
- Developed a SaaS providores website for the neat supply of fresh vegetables in Australia.
- Built the admin dashboard and order management system for handling orders end to end.

Koseli Foods Link
- Designed and developed the website for Koseli Enterprise from the ground up using Next.js and Django, building a fully functional online storefront for an authentic Nepali grocery brand serving the Australian market.
- Developed key features including product listings, shopping cart, and order management with a REST API backend.
- Built an admin dashboard for managing products, orders, and store operations.
- Ensured responsive design, fast load times, and a smooth user experience across all devices.

Hope International Care Link
- Developed the organization's web platform using Next.js to support social welfare outreach.
- Integrated Supabase for secure backend database and real-time data management.
- Built scalable digital tools to strengthen community care operations and organizational efficiency.

Mithosweets Link
- Developed an e-commerce platform using Next.js on top of React.
- Created components to enhance the user experience and integrated payment gateways like Khalti, Stripe, PayPal, etc.
- Gained expertise in team leading and learned better ways to communicate with team members.

Homaale (Task and Service Platform) Link
- Developed a web platform using Next.js on top of React.
- Created features to connect users with task and service providers.
- Gained expertise in Next.js for SSR, improved UI design and API integration.

Cagtu (Task and Service Platform) Link
- Developed a web platform similar to Homaale for the Australian market.
- Gained expertise in hosting multiple sites from the same project.

Codepen Clone Link
- Built an online coding platform for HTML, CSS, and JavaScript using React.js.
- Implemented real-time code editing and preview features.
- Mastered state management in React for real-time updates and deepened understanding of DOM manipulation.

Personality Prediction System Link
- Created an MBTI test system using ML to predict personality types.
- Utilized Myers-Briggs Type Indicator scales (IE, TF, SN, JP) for analysis.
- Acquired practical knowledge of machine learning model training and evaluation and improved data preprocessing skills.

Image Steganography Link
- Developed a system using the LSB algorithm for cryptography.
- Enabled concealing information within digital images without altering visual appearance.
- Strengthened understanding of cryptographic algorithms and enhanced proficiency in Python for image processing.

Certifications

Python with Django Training Link Jul 2022
Completed an intensive course on building web applications using Python and the Django framework, focusing on backend development, database integration, and RESTful APIs.

MERN Stack Developer Link Jul 2024
Earned a certification in full-stack development using MongoDB, Express.js, React.js, and Node.js, with hands-on experience in developing scalable web applications.

Participations

KEC LITE Exhibition
Showcased the Personality Prediction System to visitors, demonstrating AI-driven MBTI analysis and engaging with attendees to explain technical concepts.

KEC MINI LITE
Presented the Image Steganography project, highlighting the use of the LSB algorithm for secure data concealment in digital images.

Computer Club Member
Volunteered in multiple technical projects, including software development and event organization, while mentoring junior students in programming and problem-solving.