Kshitiz Bikram Shahi

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EDUCATION

Master's in Computer Science 2024 – Present | Dayton, United States
Wright State University

Bachelor of Science with Honors (BSc Hons) in Computing 2019 – 2022 | Kathmandu, Nepal
Islington College

PROFESSIONAL EXPERIENCE

Planned Career Break Feb 2022 – Aug 2024
- Conducted extensive research and documentation for a master's program, exploring universities and courses aligned with long-term career goals.
- Self-studied React.js fundamentals via online platforms including YouTube and technical blogs.
- Built and deployed a blog site using Next.js to strengthen front-end development skills.
- Continuously explored trends in React and Next.js, with a growing interest in DevOps and plans to gain hands-on experience with cloud platforms such as AWS, Azure, and Google Cloud.

Dakshya Nepal | Full Stack MERN Intern Nov 2021 – Jan 2022 | Kathmandu, Nepal
- Contributed to a full-stack e-commerce platform for a beauty brand, working across frontend and backend systems.
- Wrote and tested API endpoints using Jest, ensuring reliable functionality through rigorous testing.
- Assisted in debugging and code refactoring to improve performance and maintainability.
- Collaborated with board members and stakeholders, providing demos of new features and fixes.
- Maintained development documentation to support future iterations.

SKILLS

Programming Languages — JavaScript, TypeScript, Python, Java, SQL

Frameworks/Libraries — React.js, Next.js, Express.js, Django, Redux Toolkit, Java Swing, Pandas, NumPy, Scikit-learn, Matplotlib

Databases & Tools — PostgreSQL, MongoDB, MySQL, Redis, Prisma, Git, Jest, Postman, Figma, Vercel, AWS

PROJECTS

Citadel Clothing – MERN E-commerce Platform ⧉
Technologies: MongoDB, Express.js, React, Node.js, JWT, Redux Toolkit
- Developed a role-based e-commerce site with JWT authentication, secure payments, and admin/seller dashboards.
- Built and consumed REST APIs for managing users, orders, and products; implemented state management with Redux Toolkit.
- Integrated Nodemailer for email notifications and added features like AI-powered recommendations, toast messages, dark/light mode, API rate limiting, and full responsiveness.

Next.js Blog Platform ⧉
Technologies: Next.js, TypeScript, Tailwind CSS, TypeScript, Shadcn UI
- Built a markdown-based blog platform with responsive layout and static page generation using gray-matter and remark.
- Implemented post search functionality by title and tags using Next.js API routes.
- Enhanced UI with Shadcn components, dark/light theme support, and clean TypeScript-based code structure.

Portfolio Website ⧉
Technologies: Next.js, TypeScript, Tailwind CSS, PostgreSQL, Prisma, Resend, Upstash Ratelimit
- Created a personal portfolio featuring sections for projects, certifications, and a fully functional contact form.
- Validated form inputs on the frontend, stored messages in PostgreSQL, and triggered email notifications.
- Implemented spam protection with Redis-based rate limiting and enforced CORS restrictions for secure form submissions.
- Designed with a responsive layout, dark/light theme support, and toast feedback for user interactions.

CERTIFICATES

Experience Letter – Full Stack MERN Intern, Dakshya Nepal (Issued: Jan 2022) ⧉

AWS S3 Basics – Coursera (Issued: March 2024) ⧉

Learning Cloud Computing: Core Concepts – LinkedIn Learning (Issued: Aug 2020) ⧉