

Bhuwan Jung Thapa

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[LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Summary

Full-stack developer with proven experience building scalable web applications, optimizing databases, and deploying cloud-based solutions. Skilled in Laravel, React, and containerized CI/CD pipelines, with a track record of reducing load times, improving query performance, and implementing secure role-based access systems. Experienced in collaborating with cross-functional teams across startups and enterprise clients to deliver reliable, user-focused software solutions. Currently pursuing a Master's in Computer Science to advance technical depth while driving real-world impact.

Skills

- **Programming Languages:** C, C++, JAVA, PHP, Python
- **Frontend/Backend:** HTML5, CSS, React, Vue, Laravel
- **Databases:** MySQL, MariaDB, MongoDB, Firebase
- **Frameworks & Tools:** Laravel, React.js, Tailwind CSS, Bootstrap, SASS/SCSS, Github, Gitlab, Django, FastAPI, Postman, RESTful APIs, GraphQL, Microsoft Office
- **Cloud & DevOps:** MS Azure, AWS (EC2, S3), Docker, Apache Spark, Git, Linux/Bash, Nginx, CI/CD

Experience

Myaamia Center - Graduate Assistant, Oxford, OH - Full-stack Developer

Aug 2025 - Present

- Implemented advanced search and auto-complete using optimized Eloquent queries and indexing, improving data retrieval efficiency.
- Enhanced UI with role-based access control (RBAC) via Laravel guards, middleware, and policies, tailoring views for researchers and general users.
- Built a Progressive Web Application (PWA) with service workers and responsive design, delivering an optimized mobile experience.

Tech stack: PHP, Laravel, MySQL, RESTful API, AJAX, Agile, HTML5, JavaScript, CSS, jQuery

I.T. Hive Solutions Pvt. Ltd, Bhaktapur, Nepal - Full-stack Developer

July 2023 - April 2025

- Built and documented REST APIs (OpenAPI 3.0) with pagination/filtering/sorting and per-route rate limiting; shared Postman collections for partners.
- Eliminated N+1s and slow queries via eager loading and composite indexes; improved data retrieval by 30%.
- Implemented RBAC with policies/guards/middleware, FormRequest validation; standardized API error handling.
- Added background jobs with Redis + Laravel Horizon + scheduled tasks for emails, imports, and media processing.
- Containerized services with Docker and set up CI/CD (PHPUnit + PHPStan), deploying to AWS EC2/S3 with zero-downtime releases.
- Reduced page load by 35% through AJAX partial updates, responsive assets, and HTTP/Redis caching strategy.

Tech stack: PHP, Java, Laravel, React, Vue, MySQL, RESTful API, Postman, AJAX, JavaScript, jQuery

Legalfit, Kansas, US - Production Team (Remote - Part-time)

Jul 2021 - July 2025

- Deployed over 150 websites for U.S.-based law firms while managing and maintaining existing sites regularly.
- Integrated GA4 tracking in CMS, providing vital marketing and site optimization data.
- Ensured accurate data migration by auditing, validating, and configuring client-specific branding and design.
- Collaborated with cross-functional teams to troubleshoot and resolve data configuration issues, ensuring smooth content delivery.

Tech stack: CMS, Google Analytics, Jira, Scrum, HTML5, JavaScript, CSS

Projects

ML-Based Word Prediction System

Aug 2025 - Present

- Designed and implemented a self-learning word prediction system using a Naive Bayes classifier to predict words from partial user input.
- Trained the model on text data extracted from digital textbooks and enabled adaptive learning by storing new user-entered words to improve future predictions.
- Integrated the machine learning model with a web-based interface to support real-time predictions and user interaction.

Tech stack: Python, Naive Bayes, Node.js, Express.js, React, JavaScript, Postman

Education

- **Miami University, Oxford, OH** - Master of Computer Science (MCS) Aug 2025 - Aug 2027
- **Tribhuvan University, Kathmandu, Nepal**- Bachelor of Science in Computer Science and Information Technology (BScCSIT) Nov 2018 - Dec 2022
- **Dharan Higher Secondary School, Dharan, Nepal**- High School, Science Division 2015 - 2017

Certification and Award

- **Full Stack Web Development - MERN Stack** - Deerwalk Training Center (DTC-20230314-010)
- **Application Development with Laravel** - School of Information Technologies (156067-073-074)
- **Data Structures and Algorithms** - University of California San Diego - Coursera (Y37K8V3C7N42)
- **Java Programming & Software Engineering Fundamentals Specialization** - Duke University - Coursera (SHBCLAHULEN2)
- **Foundations of Cybersecurity By Google** - Coursera (SC36PFUJXYLL)
- **Certified Database Developer** - DBAcademy Certificate ID: (3090798582BT)
- **Certified Database Administrator** - DBAcademy Certificate ID: (8881810305BT)