BIBEK HAMAL

FULLSTACK DEVELOPER

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📍 Australia

PROFILE

Enthusiastic and self-motivated tech graduate with hands-on experience in full-stack web development using the MERN stack. Skilled in JavaScript, React, Node.js, MongoDB, and RESTful APIs. Developed personal projects including a Learning Management System and a financial tracker to strengthen real-world problem-solving abilities. Strong understanding of cloud platforms like AWS and Git-based workflows. Eager to contribute to a dynamic tech team, learn from industry professionals, and grow as a full-time developer.

TECHNICAL SKILLS

- Languages: JavaScript (ES6+), HTML5, CSS3, JSON
- Frontend: React.js, JSX, React Hooks, Bootstrap, Tailwind CSS
- Backend: Node.js, Express.js, RESTful API development
- Databases: MongoDB (Mongoose), Firebase (basic)
- Version Control: Git, GitHub (branching, merging, conflict resolution)
- Dev Tools: VS Code, Postman, Chrome DevTools, npm, yarn
- Cloud & Deployment: AWS (EC2, S3 – basic), Vercel, Render
- Containerization: Docker (creating images, writing Dockerfiles, volume mapping)
- Testing: Manual testing, basic Jest
- Other: JWT authentication, CRUD operations, responsive web design, useEffect/useState

EDUCATION

MIT   Bachelors of IT major in software engineer

Graduated - 2024

Skills Developed:
-Object-Oriented Programming (OOP) in Java and Python
-Data Structures and Algorithms for problem-solving and system design
-Software development lifecycle (SDLC) understanding and implementation
-Capstone project experience in real-world application development
-Database design and management using SQL and NoSQL systems
-Exposure to DevOps practices, version control, and continuous integration tools

QUEENSFORD COLLEGE Diploma and Advanced diploma of IT

Graduated - 2021

Skills Gained:
-Network configuration, switching/routing, and Cisco-based networking
-IT infrastructure setup and management, including LAN/WAN deployment
-Windows Server, Linux administration, and virtualisation fundamentals
-Troubleshooting and network security protocols

PROJECTS

Library Management System – Full Stack (MERN)
- Developed a complete library management platform using MongoDB, Express.js, React, and Node.js
- Implemented role-based access control for users and admins
- Created RESTful APIs for managing books, users, and lending history
- Integrated JWT authentication, form validation, and protected routes
- Designed a responsive UI with React and Bootstrap for seamless user experience

Financial Tracker App – Frontend + Backend
- Built a single-page application to track income and expenses dynamically
- Used React Hooks for state management and conditional rendering
- Implemented data visualization using chart libraries
- Focused on clean UI and real-time updates based on user input

E-commerce Admin Backend (Node.js + MongoDB)
- Designed secure backend architecture with Express.js and MongoDB
- Implemented email verification via nodemailer and JWT
- Modularised routes, controllers, and middleware for clean code organisation
- Practised deployment with tools like Render and environment setup using environment variables

IoT Security for Smart Swimming Pools (Industry Project | CareerDC)
- Collaborated with a host company (BAOAN Australia) on an industry project focused on IoT-based safety and security systems
- Designed and proposed an IoT solution to monitor motion and activity around swimming pools using sensors, Raspberry Pi, and Arduino
- Conducted research on secure communication protocols, real-time alerting, and camera integration
- Contributed to documentation, system planning, and presentations as part of a multi-month internship
- Strengthened understanding of IoT architecture, hardware-software integration, and cyber security in smart environments

Dockerized App Environment (Learning Project)
- Built and ran containers for Node.js apps using Docker CLI and Dockerfiles
- Set up volume mapping and port binding, improving understanding of containerization
- Practiced connecting services like MongoDB inside containers

WORK EXPERIENCE

Applejack hospitality 2024-PRESENT

Bartender
- Delivered fast, high-quality bar service while ensuring customer satisfaction in a busy environment.
- Collaborated with team members to resolve customer issues and maintain smooth service flow.
- Maintained a clean, safe bar area and quickly adapted to new menus and procedures.

Online Team member 2021-present
Woolworths
- Efficiently picked and packed online grocery orders with a focus on speed and accuracy.
- Met strict delivery deadlines while managing urgent tasks and prioritising effectively.
- Worked independently and with store teams to support smooth operations and excellent service.