DURGA KHANAL

[LINKEDIN](#) | [GITHUB](#) | [PORTFOLIO](#)

PROFILE SUMMARY

Enthusiastic and detail-oriented Full Stack Developer with hands-on experience in building responsive and scalable web applications. Proficient in HTML, Tailwind CSS, JavaScript, React.js, Node.js, and .NET. Skilled in developing dynamic user interfaces, creating robust backend systems, and integrating APIs to deliver seamless functionality. Strong problem-solving abilities, a passion for learning new technologies, and a proven ability to work effectively in collaborative, fast-paced environments

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EDUCATION

Bachelor of Science and in Computer Science and Information Technology | 2077-Present
Nepathya College, Tilottama
Relevant Coursework: Programming Fundamentals(C,C++), Data Structures and Algorithms, Object-Oriented Programming, Database Management Systems (SQL, NoSQL), Web Technologies (HTML, CSS, JavaScript, React.js, Nodejs), .NET Application Development (ASP.NET Core, Entity Framework), Software Engineering

Intermediate Level In Science | 2075-2077
Deep Boarding High School, Sukkhanagar
Relevant Coursework: Mathematics, Computer Science, Physics

SKILLS

Html5, CSS, Tailwindcss ,React.js, Node.js, Express.js, SQL, .NET, MongoDB

EXPERIENCE

Backend Development with Node.js
Bootwal R&D Company, Third Semester of 2078
- Built RESTful APIs using Node.js and integrated databases with SQL
- Implemented secure authentication using JWT and optimized backend performance
- Gained hands-on experience in scalable application development

Frontend Development with React.js
Self-Learning and 7th Semester Project Work, 2080
- Developed dynamic and responsive user interfaces using React.js
- Integrated React components with APIs to ensure seamless data rendering
- Applied React state management for efficient and scalable application functionality
- Gained practical experience by implementing React.js in a 7th semester academic project

Backend Development with .NET
Nepathya College, 6th and 7th Semester Project Work, 2081
- Studied ASP.NET Core as part of the 6th-semester curriculum, gaining a strong understanding of backend development
- Applied knowledge in the Vaccination Management System project during the 7th semester, implementing secure and efficient backend logic.Applied React state management for efficient and scalable application functionality
- Designed and integrated a database using Entity Framework for data management and retrieval
- Developed RESTful APIs and ensured seamless communication between the backend and frontend systems

PROJECTS

Med-Mitra: A Smart Vaccination Management System | 2081 | [Link](#)
Group Project, Nepathya College
- Built a responsive frontend using React.js to enhance user experience
- Developed a robust backend with ASP.NET Web API, incorporating secure data management
- Implemented a queue algorithm to manage vaccination bookings and service delivery efficiently

E-Commerce Application | 2080 | [Link](#)
Bootwal R&D Company and Independent Project
- Designed and developed a fully functional E-Commerce Application using Node.js
- Built RESTful APIs for managing product catalogs, user accounts, and order processing
- Integrated SQL for dynamic data storage and retrieval
- Implemented secure authentication and authorization using JWT

Hospital Management System | 2079 | [Link](#)
Independent Project
- Developed a comprehensive Hospital Management System using Node.js and Express.js
- Managed key functionalities such as cashiers, diseases, hospitals, patients, treatments, medicines, and user details
- Utilized SQL Server to store and manage data after successful validation
- Implemented JWT token authentication for secure user access and data protection

LANGUAGES

English , Nepali , Hindi

REFERENCES

Shiva Bhattarai | Bootwal R&D
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