Bipin Subedi

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EDUCATION

London Metropolitan University - Itahari International College **Itahari, Sunsari**
B.Sc. (Hons) Computing *Expected Graduation, July 2027*
- o **Concentrations:** ASP .NET Core, Web API, SQL
- o **GPA:** TBA

Vishwa Adarsha College **Itahari, Sunsari**
High School (+2) with Computer Science *Graduation, May 2024*
- o **Concentrations:** Physics, Mathematics, Computer
- o **GPA:** 3.30
- o **Related Coursework:** Canteen Management System webapp using HTML, CSS, JavaScript, PHP, and Firebase

EXPERIENCE

Innovation Lab **Itahari, Sunsari**
Backend Engineer – ASP .NET Core *April 2025 – Present*
- Designed different tables and entities connecting them with proper relationships to form a unified relational PostgreSQL database
- Developed user authentication and authorization system using OAuth TOTP, JWT, and ASP .NET Core Identity
- Developed various API endpoints with protected routes allowing seamless integration with the PostgreSQL database using Entity Framework Core
- Integrated Cloudinary for multimedia related services such as read, write, compress, and optimize
- Utilized various tools and resources such as Git, GitHub, Docker, Notion, Cloudinary, Render, VS Code, Visual Studio, PgAdmin, Google Spaces, and different AI tools for research to develop a backend for Content Management System (CMS)

PROJECTS

FlickMate Server – Movie Recommendation System **Itahari, Sunsari**
Solo Project *Sep 2024 – Nov 2024*
- Developed a backend API using ASP .NET Core for a movie recommendation and watchlist system with smart and personalized recommendation
- Integrated MySQL database with Entity Framework Core for smooth relational mapping and storage of all tables, data, and functionalities

NawaNaso – Online News Portal **Dharampur, Jhapa**
Team Member *Oct 2024 – Mar 2025*
- Developed a backend API using PHP Laravel, MySQL for database, and Hostinger file manager for multimedia services
- Designed secure backend system with the help of JWT, session, and policy-based authentication and authorization

AgroBoli – Agricultural Bidding Marketplace **Itahari, Sunsari**
Solo Project *Aug 2024 – Sep 2024*
- Developed a full stack webapp using React with TypeScript for frontend, and Firebase for backend and database related services
- Integrated Firebase, Firebase Firestore, Firebase Cloud Storage, Firebase Authentication, Material Design User Interface (MUI) library for react, Tailwind CSS, Material Icons, Sweet Alert, and MomentJS libraries for various UI related components and services

Achievements and Certificates

NCIT National Web Development Competition **Kathmandu, Kathmandu**
Finalist of a national level web development competition organized by NCIT College *Sep 2024*
Link to the certificate

IIC Intra-college Coding Competition – Creative Clash 2025 **Itahari, Sunsari**
Winner of an intra-college coding competition Creative Clash 2025 organized in IIC College *Feb 2025*
Link to the certificate

VAC Intra-college Web Development Competition – VAC Codes   **Itahari, Sunsari**
Winner of an intra-college web development competition VAC Codes organized in VAC College   *May 2023*
Link to the certificate

SKILLS

Programming: C#, ASP .NET Core, .NET, JavaScript, TypeScript, React, HTML/CSS, PHP, Java, SQL, MySQL, PostgreSQL
Tools: Visual Studio, VS Code, Git, GitHub, Firebase, Tailwind, Entity Framework Core, NuGet, Vite, JWT,
Soft Skills: Prompt Engineering, Time Management, Team Collaboration, Critical Thinking, Research Skills, Leadership