

Dipen Shrestha

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Profile

Motivated and detail-oriented recent Computer Engineering graduate from Khwopa Engineering College with a strong academic foundation and active volunteer experience. Possess a solid background in programming and design, enhanced by well-honed leadership and communication skills. Passionate about leveraging technical expertise to build a successful career in Professional Services, specializing in innovative programming and design solutions that drive success.

Education

BE in Computer Engineering

2019-2024

Purbanchal University

CGPA: 3.33

Key Competencies

Technical Skills HTML/CSS | JavaScript | C# | MySQL | Git | Figma | .Net | ASP.NET
Core | Dapper

Soft Skills Communication | Analytical Thinking | Problem Solving | Leadership

Volunteering Experience

Hult Prize at Khwopa Engineering College | Graphic Designer

- Played a pivotal role as member of organizing committee to ensure smooth running of the event overseeing various aspects such as Social media post design, Banner Designs, Winner boards design, Events post Designs and Festivals post designs
- Collaborated with social media manager and content writer for creating engaging social media contents aimed at promoting Hult prize among students

IT students of Nepal (ITSNP) | Content Creator

- Played a pivotal role as member of ITSNP as a Content creator to ensure engagements of people and to share IT/Tech knowledge more efficiently
- Orchestrated strategic meetings to design impactful workshops and technology-driven training sessions, fostering an innovative and collaborative environment for IT students

Projects

Stored Procedure-Based Customer Order Management API

- Developed a RESTful Web API using **ASP.NET Core**, implementing the **Repository Pattern** for modular and maintainable code.
- Built a **Customer Order Management System** for a **Bike Store**, managing customers, orders, staff, products, and inventory.
- Utilized **Dapper ORM** for high-performance database interaction and **SQL Server** for efficient data storage and retrieval.
- Designed a **relational database schema**, including tables for Customers, Orders, Order Items, Products, Stores, and Staff.

- Implemented **Stored Procedures** and **Functions** for CRUD operations, ensuring optimized query execution and performance.
- Applied **TRY-CATCH blocks** for error handling and **SQL parameters** for secure query execution.
- Used **Swagger** for API documentation and testing, improving usability and accessibility.
- Followed **asynchronous programming** best practices using `async/await` to enhance API responsiveness.

Dapper-Based Employee Management API

- Designed and implemented a RESTful Web API using **ASP.NET Core**, following the **Repository Pattern** for better maintainability.
- Developed an **Employee Management System** with CRUD operations using Dapper for high-performance database interaction. Designed a relational database with SQL Server (SSMS), consisting of three tables: Employee, Department, and Designation.
- Used Swagger for API documentation and testing, ensuring a well-documented API and Implemented **Data Annotations** for model validation and **TRY-CATCH blocks** for error handling.
- Applied the `[ApiController]` attribute for automatic model validation and followed **asynchronous programming** best practices with `async/await` for improved API performance.
- Also implemented all the API endpoints using **Stored Procedure** and **Functions**.

Sathi Sahakari

- Created “Sathi Sahakari” using PHP, HTML/CSS, JavaScript and MySQL for database connection which is an application for maintaining a person's account in the cooperative.
- Integrated features such as money transactions, account detail views, profile creation, and editing functionalities, effectively showcasing CRUD operations.

AnimeStore

- Developed a web application designed for anime enthusiasts, offering a wide range of anime products and related services using PHP, HTML/CSS, JavaScript, and MySQL for database connectivity.
- Focusing on featuring login portals for anime enthusiasts to offer specialized functionalities and services.

Other Projects & involvement

- Created simple calculator application in .Net (C#) using WinForms, utilizing OOP concepts like Form inheritance, Class, Objects, Encapsulation etc.
- Created simple API for GET Methods using ASP.NET Core for retrieving the book Table from the database; One Get method Retrieves all list of books data from the server whereas other Get method retrieves the Book by its Id.
- Created WinForms application in .Net with PostgreSQL to perform CRUD(Create-Read-Update-Delete) operations in it.

Certification

JavaScript Zero to One Workshop

- Organized by ITSNP
- 12th November - 13th December 2021

Web Development Workshop

- Organized by ITSNP
- 8th October - 20th October 2021