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

Khwopa Engineering College   *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

Work Experience

Jr. Software Developer   **June 2025 – Present**

Codebee Nepal Private Limited   *Naxal, Kathmandu*

- Developing and maintaining Logistics Management System, building .NET-based applications using C#, ASP.NET MVC, and Blazor. Responsible for RESTful API design, SQL Server and Entity Framework integration, and optimizing performance for scalability and security.
- Developing and Maintaining Fitness app using Hybrid Blazor which shares common code base i.e. Blazor Component
- Participated in debugging and improving existing modules, applying fixes to bugs and performing code refactoring to enhance performance.
- Engaged in Agile development practices, including sprint planning, daily stand-ups, and version control using Git with **Bitbucket** for repository management.
- Used **Jira** for task tracking, sprint management, and collaboration with the team to ensure transparency and timely delivery of assigned tasks.
- Collaborated closely with cross-functional teams to gather requirements, test features using Swagger/Postman, and assist in deployment processes.
- Explored advanced concepts like role-based authorization, middleware, and service layer abstraction to deepen understanding of enterprise application structure.

Dotnet Developer Internship   **Feb 2025 – June 2025**

Channakya Software Private Limited   *Baneshwor, Kathmandu*

- Developed **RESTful APIs** using **ASP.NET Core**, with proper routing, model binding, and input validation using **Data Annotations**.
- Worked with **SQL Server** using **SSMS**, implementing the **Database-First approach**, writing **T-SQL**, **stored procedures**, and **functions** for optimized data access.
- Integrated **Dapper ORM** for data access, comparing performance and flexibility based on use cases.
- Learned about **JWT-based authentication and authorization**, including **role-based access control** for

securing APIs.
- Utilized **Dependency Injection** throughout the application to promote clean architecture and modular design.
- Followed a **layered architecture** (Controller → Service → Repository) and used tools like **Swagger** for testing and documentation.
- Collaborated in an **Agile/Scrum** environment, attending stand-ups, sprint reviews, and participating in Git-based version control and code reviews.

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**.

ImaginFace: Text Driven Human Face Generation
- Created "ImaginFace" using DC-GAN and DF-GAN on CelebA Dataset which focuses on utilizing GANs to create a range of human faces through training, on extensive datasets of actual human faces.
- Applied Django Framework to create User Interface and deploy the model in it.

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.

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