

ABHAY KUMAR MANDAL

Gwarko, Lalitpur, Nepal · abhaymandal321@gmail.com · 9806886202

EDUCATION

Texas College of Management and IT

Bachelor of Information Technology (Hons) Computer Science *GPA: 3.41*

Chabahil, Kathmandu, Nepal

September 2021 - April 2025

Birgunj Public College

High School (+2) *GPA: 3.0*

Panitanki, Birgunj, Nepal

2018 - 2020

EXPERIENCE

CodeBee Nepal Pvt. Ltd.

Junior Software Developer

Naxal, Kathmandu, Nepal

March 2025 - Present

- Developed and maintained logistics management systems, streamlining operational workflows.
- Built and optimized .NET-based applications using C#, ASP.NET Core, MVC, and Blazor.
- Designed and implemented RESTful APIs to enable efficient data exchange and third-party integrations.
- Managed database operations with SQL Server and Entity Framework Core.
- Collaborated in Agile/Scrum teams to deliver robust, scalable software solutions.

Sunya Technology Pvt. Ltd.

Software Project Manager & Co-Founder

Lalitpur, Nepal

December 2024 - Present

- Led end-to-end software development projects ensuring timely delivery and adherence to client specifications.
- Coordinated cross-functional teams through all development phases to deliver high-quality software solutions.
- Managed project budgets and timelines effectively using Agile and Scrum methodologies.

Robotics Association of Nepal (RAN)

STEM Mentor / Robotics Instructor / Yantra 9.0 Lead

Mahalaxmi, Lalitpur, Nepal

June 2022 - May 2024

- Instructed robotics and coding to students (Grades 5–10) using Arduino and Raspberry Pi Pico at Ujjwal Education (RAN).
- Implemented project-based learning approaches to develop students' analytical and problem-solving skills.
- Mentored students for robotics competitions and innovation challenges.
- Organized and led robotics and technology events to promote STEM education in schools and communities.
- Supported training sessions, hardware programming, and junior participant mentorship within the internship program.

SKILLS

Technical Skills: C#, ASP.NET Core, MAUI, EF Core, React, Blazor, Azure, AWS

Soft Skills: Problem-Solving, Teamwork, Adaptability, Leadership, Communication, Digital Literacy

PROJECTS

Transport Expenditure Tracker *ASP.NET Core MVC, Entity Framework Core, ASP.NET Identity, SQL Server, Role-Based Access Control, Invoice Management, Nepali Miti Calendar, PDF Reporting*

<https://transportexpense.azurewebsites.net/>

A production-ready ASP.NET Core MVC web application for managing logistics and transport expenses.

Features role-based access control, invoice management, Nepali Miti calendar support, and PDF reporting.

Local Farm – Smart Greenhouse Management System *React, Firebase Realtime Database, Firestore, Tailwind CSS, IoT Integration, Single Page Application (SPA), Smart Farming*

<https://zealous-glacier-0fddea800.4.azurestaticapps.net/>

An IoT-powered web app for real-time greenhouse monitoring and automation. Built with React and Firebase, featuring plant-specific automation controls and real-time data visualization.

Laundry Management System *ASP.NET Core API, Blazor WebAssembly, Entity Framework Core, MS SQL Server, Dapper ORM, Dependency Injection*

<https://github.com/enigmasheet/Laundry-Management-System>

Full-stack laundry service management application supporting order tracking, invoicing, and client management. Developed with ASP.NET Core API and Blazor WebAssembly.

Personal Portfolio Website *Blazor, Azure Static Web Apps, C#, Responsive Design, CSS, Personal Branding*
<https://www.abhaymandal.com.np>
Clean, responsive portfolio site built with Blazor and hosted on Azure Static Web Apps. Highlights projects, work experience, and technical expertise.

AWARDS & CERTIFICATIONS

Certificate of Participation	IoE Purbanchal Campus
Participated in Delta 4.0 Hackathon by developing a logistics tracking prototype within tight deadlines, collaborating effectively in a cross-functional team.	2024-01-21

Certificate of Achievement	Broadway Infosys
Completed 135 hours of advanced ASP.NET Core training focusing on MVC architecture, Razor Pages, and Entity Framework with hands-on projects.	2024-11-18