

Darshan Kumar Bhandari

Portfolio | [GitHub](#) | [LinkedIn](#) | darshankumarbhandari11@gmail.com | +91 98014 00938

[LeetCode](#) | [GeeksforGeeks](#) | [Offline Solutions](#)

Education

Cambridge Institute of Technology North Campus
Bachelor of Engineering, Computer Science and Engineering

2021 – 2025
(CGPA: 9.23 / 10)

Nalanda Academy Sr. Sec. School
Pre-University Course, PCM

2018 – 2020
(79.2 / 100)

Work Experience

Intern – Application Development and Maintenance | Cognizant Technology Solutions Apr, 2025 – Jul, 2025

- Developed and optimized scalable, data-driven web applications using ASP.NET Core, MVC, Web API, Entity Framework Core, LINQ, and ADO.NET in a professional Agile Scrum environment, adhering to SDLC best practices.
- Collaborated cross-functionally to implement Design Patterns, enforce SOLID principles, and support a Microservices Architecture, with a strong focus on Unit Testing and Debugging to enhance performance and code quality.

Application Developer Trainee | Rooman Technologies Pvt. Ltd. Sep, 2024 – Feb, 2025

- Completed NSQF Level 5 certified training in full-stack application development using the MERN stack, mastering end-to-end development, RESTful API integration, state management, and component-based architecture.
- Delivered a real-world API Development & Integration project under the IBM CEP program, architecting and deploying a scalable backend service with middleware integration and robust error handling in a production-like environment.

Projects

RentSphere: Full-Stack Property Management Platform Live | [GitHub](#)

- Developed RentSphere, a full-stack property management platform with MVC architecture and RESTful APIs, enabling users to explore, list, and manage rentals with secure authentication via Passport.js and session management.
- Integrated Mapbox for geolocation, Cloudinary for cloud-based image storage, Joi for validation, and Connect-Flash for real-time notifications, using Express.js, MongoDB, EJS, and Bootstrap for a responsive UI and efficient CRUD operations.

TradeVerse: Full-Stack Stock Trading Platform Live | [GitHub](#)

- Developed TradeVerse, a full-stack stock trading platform enabling seamless order management, portfolio tracking, and interactive market analysis, with a responsive UI built using React, Material UI, Bootstrap, and Chart.js.
- Built a secure backend with Node.js, Express.js, MongoDB, and JWT, ensuring secure authentication, efficient data management, BUY/SELL order execution, portfolio insights and Jest-based Unit Testing for reliability and performance.

Investment Portfolio Management System [GitHub](#)

- Engineered a full-stack investment management platform using .NET 8, ASP.NET Core MVC, Entity Framework Core, and SQL Server, implementing SOLID-compliant service layers, JWT-secured authentication, and role-based authorization.
- Integrated modules for asset tracking, risk assessment, Chart.js based performance analytics, and exportable reports (PDF/CSV via iText), with a responsive UI powered by Bootstrap 5 and clean ViewModel-driven architecture.

Driver Drowsiness Detection System [GitHub](#)

- Engineered a real-time Driver Drowsiness Detection System utilizing OpenCV, dlib, and SciPy for computer vision-based fatigue detection through facial landmark analysis and Eye Aspect Ratio (EAR) calculations.
- Developed a Flask-powered backend for real-time video processing and an interactive web interface with HTML, CSS, and JavaScript, ensuring seamless monitoring and instant alert activation upon drowsiness detection to enhance safety.

Technical Skills

Languages: C, C#, Java, JavaScript (ES6+), TypeScript, SQL, NoSQL, LINQ (Language Integrated Query), Shell Scripting

Developer Tools & Environments: Git, GitHub, Git Bash, Postman API, MySQL, Atlas, ADO.NET, SQL Server, Linux, Unix, Jira

Technologies & Frameworks: HTML, CSS, Bootstrap, Tailwind CSS, jQuery, jQuery UI, Node.js, React.js, Material UI, Redux.js, Chart.js, Next.js, Express.js, EJS, RESTful APIs, MongoDB, Entity Framework Core, ASP.NET Core, Razor Pages, WebSocket, Socket.io, Passport.js, JSON Web Token (JWT), Jest

Methods & Practices: Version Control, Session Management, User Authentication, Geocoding, MVC Architecture, Microservices, Unit Testing, SDLC, Agile Methodologies, SOLID Principles

Relevant Coursework: Data Structures, OOPs, Operating Systems, Computer Networks, Database Management System

Certifications

- Alpha (Data Structures and Algorithms with Java)** – by Shradha Khapra on Apna College.
- The Complete ASP.NET Core 9 Course for Busy Developers** – by Denis Panjuta on Udemy.
- The Complete 2024 Web Development Bootcamp** – by Dr. Angela Yu on Udemy.
- Entity Framework Core – A Full Tour** – by Trevor Williams on Udemy.
- The Complete SQL Bootcamp: Go from Zero to Hero** – by Jose Portilla on Udemy.