

Shikhar Kumar

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Skills

Languages: C#, JavaScript, TypeScript, SQL

Technologies & Tools: ASP.NET | ADO.NET | .NET Core Web API | Entity Framework Core | Dapper | LINQ | Angular 17 | SQL Server

Work Experience

Protatech India Solutions Private Ltd, Gurugram

Feb 2023 - Present

Jr. Software Engineer

- Added and maintained pages. Worked with ASP.NET, ADO.NET, JavaScript, SQL, Angular 17, and .NET Core API. Updated the bootstrap version from 3 to 5 in the AgedCare project. Developed the Issue Tracker project from scratch using Angular 17 and .NET Core API.
- Refactored the site's authentication architecture from session-based to secured *JWT* (JSON Web Tokens), enhancing security and scalability. Implemented cross-site cookie sending token-based login for providing connection between two different sites made with *ASP .Net* and *Angular JS* for improved user authentication and authorization.
- Built a .NET Core Web API using Dapper to integrate with a mobile application, providing real-time payroll data, attendance tracking, and employee management functionalities.
- Converted an SORTCA web application from .NET and Angular 7 to the latest Angular16 and .NET Core Web API 8. Implemented migration of *Entity Framework* to *Entity Framework Core*, ensuring compatibility, performance, and future scalability.

Ispesia Technologies, India

Nov 2022 - Jan 2023

Jr Web Developer (Internship)

- Assisted in front-end development by implementing and optimizing UI components using HTML, CSS, and JavaScript.
- Collaborated with the development team to provide creative solutions for enhancing website performance and accessibility.

Education

University of Engineering & Management, Jaipur

Aug 2019 - Jun 2023

B.Tech. in Computer Science and Engineering

CGPA: 7.95

Relevant Coursework: Object Oriented Programming, Databases, Discrete Mathematics, Data Structures and Algorithms, Operating Systems, Computer Networks, Data Mining, Advance Database, Data Compression, Theory of Automata.

Project Work

- **Payroll Management System (2024):** Developed a Payroll Management System using ASP.NET, ADO.NET, and SQL Server Management System, automating employee salary calculations, tax deductions, and payment processing to ensure accuracy and efficiency in payroll operations. Integrated attendance and leave management, allowing employees to track work hours, request leaves, and view leave balances. Implemented role-based authentication to secure access to sensitive data. Additionally, built a .NET Core Web API using Dapper to integrate with a mobile application, providing real-time payroll data, attendance tracking, and employee management functionalities.
- **Issue Tracker (2023):** Developed an Issue Tracker application using Angular 17 and .NET Core Web API Web API for the back end. The application was designed to manage and track issue statuses added by admins, with a focus on user authentication and role-based access control to ensure secure and tailored access to different features. I implemented a dynamic and responsive user interface using Angular's reactive forms and services, enhancing the user experience. On the back end, I created RESTful API endpoints to handle CRUD operations, ensuring seamless communication between the front and back end.
- **Esports Registration Management (2023):** designed and developed an eSports registration management system using ASP.NET, focusing on creating user-friendly interfaces for registration, team management, and event scheduling. The system included backend functionalities to manage player profiles, match schedules, and results tracking, ensuring a smooth and efficient process for all users. Additionally, I enhanced security features to protect user data and prevent unauthorized access, making the system reliable and secure for its users.

Certifications

- **Basic of C Programing language** - Eduonix 2019
- **SQL** - NPTEL (2022)