Shrujal Bhandari

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Education

Concordia University, MEng in Information Systems Security   **Jan 2024 – Dec 2025**
- **Coursework:** Database Security and Privacy, Operation System Security, Foundations of Cryptography, Software Project Management, Artificial Intelligence.

Darshan University, BEng in Computer Science   **Aug 2016 – Jun 2020**
- **Coursework:** Data structures and Algorithms, Operation Systems, Software Engineering, Discrete Mathematics, Computer Networks, Microprocessors and Real-Time Systems.

Experience

Cloud Software Developer Intern, Dormakaba – Montreal, CA   **May 2025 – Present**
- Developed microservices in **.NET Core** integrated with **Nhibernate ORM** focusing on scalability and modularity.
- Migrated critical datasets from **on-prem SQL Server** to **Azure SQL Database** and **Azure Blob Storage**, improving query speed by 20 %
- Contributed to the **DBEngine** project, increasing **automated test coverage** from 8% to 41% by writing unit and integration tests using **MSTest**, significantly reducing regression defects.
- Configured centralized logging and monitoring via **Azure Application Insights** and **Log Analytics** to improve issue visibility
- Used **GitHub Copilot** to generate unit-tests, reducing development time and improving overall code quality and consistency.
- **Developed REST APIs** in .NET Core integrated with **Angular 18** front-end modules and **Nhibernate ORM** for seamless data flow.
- Collaborated via **Git** & **Bitbucket** maintaining code quality through PR reviews and automated CI/CD pipelines.

Software Engineer, Synoverge – Ahmedabad, IN   **Feb 2020 – Dec 2023**
- Developed and maintained insurance domain applications using **.NET Webforms, .Net Core MVC (C#), AngularJs & SQL Server**.
- Optimizing stored procedures to improve query performance and reduce processing time by 30%. Followed **SDLC** and **Agile methodologies** for defect-free coding and enhancements with proper documentation for all processes.
- Developed SOAP and RESTful APIs using **WCF** and **Web API** for cross-system communication.
- Applied **design patterns** (Singleton, Repository, Factory) to improve maintainability and reduce coupling.
- Provided Production support through analyzing logs, troubleshooting issues, and delivering fixes with minimal downtime.
- Used **TFS (Team Foundation Server)** for **version control**, code check-ins, and release management.

Projects

Roommate Finder | .Net Core MVC, SQL Server, JS, HTML/CSS
- Developed a Roommate Finder Platform using **ASP.NET Core MVC**, enabling users to search for roommates and accommodations seamlessly.
- Implemented an **N-tier architecture** with MVC design to separate concerns between the presentation layer, business logic, and data access for improved maintainability and modularity.
- Integrated real-time email notifications to alert users about new listings and matches based on their criteria using SMTP configuration in ASP.NET Core MVC

Companies At Your Doorstep | .NET Web forms, SQL, JavaScript, HTML/CSS
- Developed a comprehensive Online Job Portal using **ASP.NET Webforms**, JavaScript, and SQL Server to streamline the job search and application process for users using N-tier architecture
- Utilized SQL Server to manage and store user data, job listings, and employer details efficiently.
- Used advanced search functionality to allow users to search for jobs based on various criteria such as job title, location, company, and salary range.

Technical Skills

Languages: C#, Python, C++, JavaScript, Typescript

Frameworks/Libraries: .Net Core, .Net MVC, .Net Webforms, Angular 18, AngularJS, NHibernate, Entity Framework, WCF, Web API, ADO.Net, LINQ, Flask, SQL, PostgreSQL, MySQL, Bootstrap, MSTEST, xUnit, Moq jQuery, HTML5, CSS3

Applications: Azure, Bitbucket, AWS, TFS, Jira, GitHub Copilot, SonarQube, SonarCloud, Powershell Docker, Git, GitHub, Jenkins, SQL Server, PGAdmin, Oracle SQL Developer, Postman, RabbitMQ, Redis, Microsoft Office Suite, Figma.