Shrujal Bhandari

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EDUCATION

Concordia University	Montreal, Canada
Masters in information systems security	*Jan. 2024 – Present*
Darshan University	Rajkot, India
Bachelor of Engineering Computer Science	*Aug. 2017 – May 2021*

EXPERIENCE

Software Engineer — Jun 2021 – Dec 2023
Synoverge Technologies

– Developed and maintained insurance domain applications using **.NET Core MVC, .Net Framework, Angular, 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.
– Designed and implemented a project from scratch using the **MVC architecture**, defining the entire structure and ensuring scalability and maintainability.
– Developed and deployed microservices-based features using **.NET Core**
– Built and consumed **RESTful APIs**, ensuring seamless integration between services, and performed API testing and debugging using **Postman**.
– Leveraged Azure Monitor and Application Insights to identify performance bottlenecks and improve service reliability.
– Leveraged **XUnit** for unit testing to deliver robust, production-ready systems, adhering to high-quality coding standards.
– Collaborated with cross-functional teams using **Jira** for project tracking, sprint planning, and effective task management, ensuring timely delivery of high-quality solutions.

Software Engineer Intern — Feb 2021 – June 2021
Synoverge Technologies

– Played a crucial role in optimizing database queries in **Stored Procedures, Views** and **Cursors** enhancing data retrieval speed and reducing processing time by 25% through efficient indexing and query restructuring (worked with India's biggest insurance provider project).
– Designed and implemented a complete HTML/CSS front-end layout for a project, ensuring a visually appealing and responsive user experience.

PROJECTS

Companies At Your Doorstep | ASP.Net Web forms, SQL, Javascript, HTML/CSS | Link
– 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 3-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.

Privacy Policy Analyzer Chrome Extension | Python (Flask), HTML/CSS, JavaScript | Link
- Developed a Chrome extension powered by LLM and Flask to analyze and rate website privacy policies, providing users with insights on data collection, sharing, and privacy practices.
- Implemented structured star ratings, detailed tabular analysis, and interactive navigation buttons for an intuitive user experience.
- Utilized HTML, CSS, JavaScript for the frontend and Flask with Python for the backend, ensuring seamless integration and real-time analysis.

RSA Cryptography Implementation | Python | Link
- Developed **RSA encryption, decryption**, and digital signature functionalities from scratch in **Python**, including key pair generation and secure communication.
- Implemented modular arithmetic using square-and-multiply for efficient and secure encryption/decryption processes.
- Enabled message authenticity verification through custom digital signature and signature validation methods.

TECHNICAL SKILLS

Programming: C#, C, C++, Python, HTML/CSS, JavaScript, jQuery
Frameworks/Libraries: .Net Core, .Net MVC, ASP.Net Webforms, ADO.Net, WebAPI, ReactJs, Angular, Flask, WCF, LINQ, SQL, MySql, Bootstrap, xUnit.
Applications: Azure, TFS, DevOps, Jira, Docker, GitHub, Figma, SQL Server, Oracle SQL Developer, PostgreSQL, Kubernetes, Figma, Microsoft Office Suite (Word, Excel, PowerPoint).
OS: Windows, Mac and Linux.

LEADERSHIP / EXTRACURRICULAR

Awards: Process Excellence Award (Synoverge Technologies – 2021)
Soft-Skills: Leadership, Data Analytics, Communication Skills, Problem-Solving, Adaptability
Professional Affiliations: Member of Conuhacks IX Organizing Commitee (Biggest Hackathon of Quebec)