

Vinay Saini

Full-Stack Software Development Engineer

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SUMMARY

Dedicated Full-Stack Software Development Engineer with a strong background in developing innovative solutions for the banking and financial sector. Skilled in designing, implementing, and maintaining robust software applications to meet the complex needs of financial institutions. Experienced in the entire software development life-cycle, from concept to deployment, with a focus on delivering high-quality, scalable solutions.

Education

- **Kurukshetra University, Kurukshetra** 2017 - 2021
Bachelor of Technology (Computer Science and Engineering) Percentage: 78
- **Govt. Polytechnic Sonipat** 2012 - 2015
Polytechnic Diploma (Electrical Engineering) Percentage: 60
- **Board of School Education Haryana, Bhivani** 2012
Class 10th Percentage: 84

WORK EXPERIENCE

- **Surya Software Systems Private Limited, Bengaluru** Jan 2022 - Present
Software Development Engineer

As a Software Development Engineer at Surya Software Systems Private Limited, I play a key role in software development using **ASP.NET(C#)** and **.NET Core(C#)**. My responsibilities include:

- Collecting requirements from clients
- Preparing technical specifications
- Developing dynamic **web forms** for data input and interaction, utilizing **ASP.NET** technologies
- **Backend** and **frontend** development, focusing on creating robust and scalable solutions
- Optimizing code, fixing bugs, and ensuring smooth deployment processes
- Developing **analytics reports** for data analysis and visualization
- Providing leadership in my team, guiding and mentoring junior developers
- Contributing to project migration and **ETL** processes, ensuring seamless transitions and efficient data processing

PROJECTS

- **Bloggie** [Link to Demo](#)
Bloggie is a blog application, offering a platform for users to create, edit, and publish blog posts.

- The application was developed using the **ASP.NET Core MVC** framework.
- **Designed** and implemented the **database schema** for the blog application.
- Developed the **front-end** and **back-end** functionality for creating and managing blog posts.
- The application allows registered users to manage their posts and comments with **Authentication**.
- Utilized **Entity Framework Core** for data access and **SQL Server** for database management.
- Employed **Razor** syntax for dynamic content rendering and **Bootstrap** for front-end styling.
- Integrated user authentication and authorization features using **ASP.NET Core Identity** for secure access.

- **Attendance by Face Detection**

Transforming attendance management through advanced face detection technology.

- Developed a sophisticated face recognition system in **Python** using the **OpenCV**, **NumPy**, and **face_recognition** libraries.
- The system is capable of detecting **human faces** in **images** and **video streams** using **OpenCV**, storing and comparing facial encodings using **NumPy arrays** for efficient processing.
- Leveraged the face_recognition library to access a **pre-trained** model for recognizing human faces with high accuracy.
- Employed NumPy for storing and comparing facial encodings, ensuring fast and reliable face recognition.
- Implemented a user-friendly interface for displaying detected faces

- **Tic Tac Toe (Game)**

[Link to Demo](#)

Play Tic Tac Toe: A Classic Game of Strategy and Fun!

- Tic Tac Toe is a timeless game where players strategically place their markers (X or O) in a 3x3 grid.
- The goal is to create a row, column, or diagonal of their markers to win the game.
- The project helped solidify JavaScript programming skills.
- It provided hands-on experience in developing a complete web application using JavaScript, HTML, and CSS.
- The project taught valuable lessons in user interface design.
- It offered insights into game development.
- It provided practical experience in project management.

- **Snake Game**

Snake Game: A Classic Game of Fun!

- Used JAVA for development.
- The Swing library was employed to create the window-based application.

Technical Skills

Languages: C#, Javascript, Java, Python, SQL, HTML, XML

Developer Tools: Visual Studio, VS Code, Git, Github

Frameworks/Libraries: ASP.NET, .NET(Dotnet), ReactJs, MVC, MVVM, Blazor, Bootstrap, JQuery, Entity Framework, LINQ, Serilog, OpenXML

Coursework: Data Structures & Algorithms, SDLC, Object Oriented Programming, Database Management System, Software Engineering.

Other Skills: Azure DevOps, Linux, REST API, WCF, WPF

Soft Skills: Self-learning, Presentation, Adaptability, Communication, Teamwork, Problem-solving, Leadership, Time Management, Critical Thinking, Emotional Intelligence