

# Sneh Shah

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## Experience

### Sapphire Software Solutions

August 2022 – September 2024

#### Software Engineer Trainee

- Implemented the timetable generation system enhancement project by optimizing modular solutions and catalyzing technological improvements to transform existing workflows.
- Integrated and deployed robust technical solutions, including advanced PDF generation packages, resulting in accelerated document handling processes.
- Coordinated development of a specialized module within an agile team of 3 members, harmonizing with frontend engineering to ensure seamless integration and optimal functionality.
- Initiated a systematic update protocol for disseminating technical insights and development challenges; diagnosed and resolved critical bottlenecks that reduced rework by 25 hours per sprint cycle.

## Projects

### Timetable Generation | Python, Flask, MS SQL Server, PostgreSQL | Sapphire Software Solutions

- Spearheaded the migration and enhancement of the timetable generation system, applying various algorithms and increasing the generation rate by 50%. Engineered using Python Flask and integrated with MS SQL Server and PostgreSQL databases. Customized features to meet client requirements.
- Architected a scalable infrastructure for the timetable generation system, ensuring efficient performance and flexibility for future enhancements.
- Orchestrated the implementation of a real-time updates and notifications system, reducing manual intervention by 40% and improving user experience significantly.

### CRM Development | .NET 6, Razor Pages, MS SQL Server 2014 | Sapphire Software Solutions

- Pioneered the development of a large CRM system built on .NET 6, managing receipts, invoices, customer notifications, and administrative tasks. Executed frontend development using Razor Pages, backend implementation, and integration with MS SQL Server 2014.
- Formulated and implemented data caching strategies, resulting in a 60% reduction in database query time and improved system responsiveness.
- Streamlined the customer onboarding process by developing automated workflows, reducing processing time from 2 days to 4 hours.

### Hiking Alert System | React.js, Firebase, Node.js | Under NDA

- Designed and developed a comprehensive alert system for hikers and trekkers using React.js for the frontend, Firebase for real-time data management, and Node.js for server-side logic and scheduling tasks.
- Programmed cron jobs in Node.js to monitor user return times, ensuring timely alerts and enhancing safety for outdoor enthusiasts.
- Established a robust error handling and logging system, achieving 99.9% uptime and reducing system failures by 75%.

### LinkersDB | React.js, Firebase, Chrome Extension, Apps Script | [Live](#)

- Engineered bookmark management tool enabling users to merge 100+ URLs into single shareable links with personalized context.
- Developed Chrome extension integrated with Firebase for seamless bookmark synchronization and note-taking capabilities.

## Technical Skills

**Languages:** Python, C#, JavaScript, SQL, HTML/CSS

**Technologies:** React.js, .NET 6, Flask, Node.js, Firebase, MS SQL Server, PostgreSQL, Razor Pages, Express.js

**Tools & Concepts:** RESTful APIs, Microservices Architecture, Version Control (Git), Database Design, Agile Methodology, Test-Driven Development

## Education

### Silver Oak University

Bachelor of Science in Information Technology (CGPA: 9.54 / 10.00)

May 2024

Ahmedabad, Gujarat