

# Satin Sunil Jain

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## Education

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**Indiana University Bloomington**, *Master's in Computer Science*

Aug 2021 – May 2023

Relevant Courses: Object-Oriented Software Development, Advance Database Concepts, Applied Algorithms, Software Engineering, Computer Networks, Security for Network Systems

**VIT, India**, *Bachelors in Information Technology*

Aug 2017 – May 2021

Relevant Courses: Operating Systems, Artificial Intelligence.

## Skills

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**Programming Languages** (C#, JavaScript, Java, Python, C++),

**Development** (Angular, ASP.NET, React, NodeJS, OOP, Socket Programming, Microservices, Docker, SpringBoot, JDBC, JSP, Servlet, JPI, Scrum, Agile, Selenium, DOM Manipulation),

**Software Tools** (Jira, JUnit, Jasmine, Postman, Bamboo, Eclemma, Confluence, Github, SonarQube),

**Database** (PostgreSQL, MySQL)

## Professional Experience

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**Software Developer**, *Indiana University*

May 2023 – Present

- Developed a chatbot that provides personalized responses based on IU Alzheimer's data using ChatGPT LlamaIndex.
- Significantly reduced fetching/loading/querying time by **100x** from MySQL Database to frontend by implementing efficient streaming techniques with Node.js streams and transforms.
- Configured and developed user conversation threads with functionalities like sharing, sorting and download capabilities, enhancing the user experience and facilitating efficient communication.

**Nokia**, *Advance Technology Group 2022*

May 2022 – Dec 2022

- Developed and deployed a chatbot application using Angular, ASP.NET, and Rasa, providing an interactive and conversational user experience for efficient customer support and information retrieval.
- Designed and implemented the frontend of the chatbot using Angular, creating intuitive user interfaces for chat interactions, message display, and user input, ensuring a seamless and engaging user experience.
- Developed the backend using ASP.NET, building RESTful APIs for communication between the frontend and Rasa server, facilitating message passing, intent recognition, and response generation.
- Leveraged Docker for containerization and deployment of the chatbot application, ensuring portability, scalability, and easy deployment across different environments and platforms.

**Sai Estate Consultancy**, *Software Engineer Intern*

May 2019 – Jun 2019

- Developed a professional real estate website utilizing Angular as the frontend framework, providing an intuitive and modern user interface for seamless browsing and property search functionalities.
- Designed and implemented the backend of the website using ASP.NET, leveraging its robust features such as Web API for building RESTful services, routing, and server-side logic, ensuring efficient data processing and retrieval.
- Utilized Entity Framework to establish a connection with the SQL database, creating and managing database models, performing CRUD operations, and ensuring data integrity and security.
- Integrated with GoDaddy hosting services, deploying the Angular frontend and ASP.NET backend on the GoDaddy server, ensuring reliable and secure website hosting with high performance and uptime.

## Projects

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**Ascl**, *SpringBoot, JSP, Servlet, JPI*

Aug 2021 – Oct 2021

- Designed and developed a Hospital Management System using Spring Boot, providing a comprehensive platform to manage patient records, appointments, medical staff, and administrative functions.
- Implemented data persistence for the application using JPA, leveraging its powerful ORM capabilities to map Java objects to relational database tables, improving data integrity and reducing boilerplate code.
- Utilized the Spring Boot framework to create a robust and scalable backend application, implementing RESTful APIs to handle CRUD operations for various entities within the system, such as patients, doctors, appointments, and medical records.