

# Sanjeevini R

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## Personal Profile

An Information Technology Undergraduate at SSN College of Engineering, Chennai. Awarded the Merit Scholarship for 2023 and 2024 for outstanding performance. Developed several good quality projects as part of coursework in scrum teams. Volunteered and headed Design work for International Conferences. Passionate about UI/UX design, web development and machine learning. Well-versed in Python and familiar with Java.

## Education

### SSN College of Engineering

Chennai, India

B.Tech in Information Technology

Oct 2021 - Current

- Merit Scholar
- Content Creator, English Literary Club
- Head of Design for ICCSP 2024 conference
- **Courses:** Data Science, Machine Learning, Data Structures (Advanced), Database Technology, Internet of Things

### SBOA School and Junior College

Chennai, India

High School

June 2007 - June 2021

- 10th Grade - 95.6%
- 12th Grade - 95.4%
- Specialised in Physics, Chemistry, and Maths with Computer Science

## Work Experience

### Fidelity Investments

Chennai, India

Software Engineer Intern

June 2024 - Aug 2024

- Full Stack Engineer Intern 2024
- Developed a RAG Based LLM Chat Assistant for employees as a POC.

## University Projects

### CropCast: IoT Enabled Crop Recommendation Tool for Farmers

Hyderabad, India

SSN College of Engineering

Mar 2024 - Apr 2024

- Developed for a national level hackathon, Tech Savishkaar 2.0, held in Vasavi College of Engineering, Hyderabad.
- A machine learning initiative that recommends suitable crops for soil based on values read by NPK, pH Sensors.
- Fetch real-time weather data and past rainfall/humidity to effectively note trends in the crop season.
- **Technical Skills:** Machine Learning, Flask, MongoDB, GeolocationAPI, Arduino

### Early Detection of Motor Disorder Symptoms in Neurodegenerative Diseases

Chennai, India

SSN College of Engineering

Jan 2024 - Current

- Currently working on an Internally Funded Student Project (sanctioned 2024).
- To analyse and study trends and patterns in gait and hand tremor of patients with neurodegenerative diseases
- Develop a machine learning model that could detect early symptoms of diseases such as Parkinson's, Multiple Sclerosis, etc.
- **Technical Skills:** Machine Learning, Python, MongoDB, Flask.

### Music Synthesizer A.I

Chennai, India

SSN College of Engineering

Sep 2023 - Nov 2023

- Analysing data from 2008 to 2015 to discover patterns such as trends, correlations, and probabilities.
- Finding the differences between the best teams and players in various fields, as well as their performance on the field and the opponents.
- **Technical Skills:** Python with Pandas, matplotlib, Seaborn.
- **Soft Skills:** Presentation skills, Leadership, Teamwork, Logical Thinking.

### Traffic Regulation

Chennai, India

SSN College of Engineering

Mar 2023 - May 2023

- Developed a web application to suggest optimal routes, based on an assumed dataset.
- Collaborated work on front-end design, rerouting algorithms, Flask framework and real-time traffic data APIs
- Organised in a Scrum Team and collaborated work using JIRA tool.
- **Technical Skills:** HTML, CSS, Javascript, Figma, Python, Flask

## Clinic Management System

Chennai, India

SSN College of Engineering

May 2022 - Aug 2022

- Worked in a group of 7 as a developer to design and implement an easy-to-use CMS software for small scale clinics.
- Implemented a modified version of queues using doubly linked lists to add new patients according to their level of emergency.
- Organised in a Scrum Team and collaborated work using JIRA tool.
- **Technical Skills:** Python, TKinter, Adobe Illustrator

## Skills

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**Programming** Python (Pandas, Machine Learning), Java, HTML/CSS, JavaScript, SQL, MongoDB, AWS (SageMaker).

**Miscellaneous** Linux, Git, Figma, Adobe Illustrator

**Soft Skills** Collaboration, Scrum, Time Management, Teamwork

## Achievements

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Apr 2024 **Elite with Gold**, Affective Computing, NPTEL

Chennai, India

Apr 2024 **3rd Place (AgriTech)**, Tech Savishkaar 2.0 2024, National Level Hackathon, Vasavi College of Engineering

Hyderabad, India

Nov 2023 **Outstanding Student (Rank 6)**, Merit Scholarship 2024

Chennai, India

Apr 2023 **Elite**, Programming in Java, NPTEL

Chennai, India

Mar 2023 **Outstanding Student (Rank 4)**, Merit Scholarship 2023

Chennai, India

Nov 2022 **Silver Medalist**, 1st Semester, Overall Rank 2

Chennai, India

Mar 2023 **Runner Up**, ProCode Coding Contest, ProCode Coding Club

Chennai, India

## Languages

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**English** Professional proficiency

**Tamil** Native proficiency