

# Avinash Sharad Surender Naidu

## Software Development Engineer

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in Avinash S Naidu 🔄 AvIN27 ➡ Portfolio

### Profile

A full-stack developer who is passionate about creating efficient and user-friendly, creative software solutions, who's expertise lies in developing web applications.

Effective communicator who is always willing to adapt and upgrade to the newest technologies.

### Professional Experience

#### Software Developer 1

Optimal Strategix Group, Inc.

Mar 2022 – present | Bengaluru, India

- Worked on resolving multiple bugs and implementing new capabilities on the frontend and backend of OSG's o360 platform, utilizing Angular and Springboot technologies.
- These involved creating APIs for analyzing community user data, improving the functionality of the survey builder logic, enhancing the community and library features, as well as optimizing the search functionality throughout the application.
- Worked on feature design in collaboration with the product team for a notification system which notifies them via email, browser notifications, SMS, and Whatsapp, whenever an activity or timeline is linked to their community. This involved integrating Twilio and its APIs into the application.
- Collaborated with various cross-functional teams using agile methodologies with Jira to support the development and maintenance of OSG's o360 platform across various sectors, including Community, Library, Timelines, Notifications, Activities, and Themes.
- Pioneered the automation of data transfer between o360 and Sisense using API integration, which helped in the creation of dynamic dashboards for data visualization.
- Utilized a range of Sisense features, such as datasets, datasources, dashboards, elasticubes, and encryption, among others, to enhance platform performance and data security.

### Skills

**Development - Frontend:**  
(TypeScript, HTML / CSS / SCSS, Tailwind CSS, JavaScript, Bootstrap, RxJs)

**Databases:** (PostgreSQL, MongoDB)

**Collaboration tools:** (Jira, Slack, Discord)

**Development - Backend:** (Java, J2EE, Python, jQuery, REST, Postman)

**Frameworks:** (SpringBoot, Angular, NodeJS, ChartJS, React.js, Vite, Vue.js)

**CI/CD and Automation:**  
(Jenkins, Python Selenium, Git)

**OS:** (Linux)

### Education

#### Bachelor's Degree (BTECH)

BMS Institution of Technology and Management

Aug 2018 – Jul 2022 | Bengaluru, India

**Major:** Information Science Engineering

**Grade:** First Class

## Projects

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### Personal (P) & Academic (A)

#### (P) Another Todo App

*Todo List creator with voice recognition*

Jul 2023

This project allows the user to create a list of to-dos, either by text or voice. It uses Vue + Vite along with JavaScript.

**GitHub Repository:** <https://github.com/AviN27/another-todo-app> 

#### (P) RecipeDB

*Random recipe generator*

May 2023

This project utilizes React with JavaScript and Tailwind CSS to create a web application that follows good, minimal design principles. By simply clicking a button, the application can provide a wealth of information on a wide range of dishes.

**GitHub Repository:** <https://github.com/AviN27/recipeDB> 

#### (A) Stock price prediction using LSTM

*RNN based prediction algorithm*

Nov 2021 – Jul 2022

- This project involved the creation of a LSTM recurrent neural network prediction model to produce forecasts for the opening prices of certain stocks (AAPL, AMZN, GOOG, MSFT, TSLA) over the course of 30 days along with a web application to view the data.
- It involved utilizing a dataset of stocks from which the data was preprocessed, the algorithm was trained and tested after which the predictions were made and visualized using Matplotlib and Seaborn on Python.

#### (A) Mobile Application - "MedTab"

*Android application for medication tracking using Java*

May 2021 – Aug 2021

- Objective of this project is to create an application that helps a user to keep track of his/her medication. The application consists of the home page where the alarms are displayed and the history page which shows the medicines taken or the ones that are ignored.
- The layout and reminders were created with Android Studio and Java. It's inbuilt database system was used for the storage of data and views of the alarms

#### (A) ChatBot - "TravelBud"

*Automation chatbot for Trivago using Selenium with Python*

Sep 2020 – Dec 2020

- This project was based on the concepts of Selenium and its modules with python. Using TripAdvisor as a layout, the chatbot can redirect the user to the specified information as required.

### CBSE 12th

*MES Indian School*

Apr 2017 – Mar 2018 | Doha, Qatar

**Subjects:** PCM + Computer Science

### CBSE 10th

*MES Indian School*

Apr 2015 – Mar 2016 | Doha, Qatar

## Courses

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### Go Java Full Stack with Spring Boot and Angular

*Udemy*

Mar 2022

### JavaScript Essentials

*Udemy*

Jul 2021

### Mobile application and development in Android

*BMSIT, DIGIPIX*

Mar 2021

### Python from Beginner to Intermediate

*Udemy*

Sep 2020

## Interests

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Amateur Keyboardist (Grade 5 - London College of Music)

Singing

Sport Enthusiast

Part of the Toastmasters Intl. fraternity  
(Former president of ICC Gavel Club - Doha, Qatar)

Hackathons and Coding

Photography