



Gowtham N

BTech graduate with good knowledge of software engineering.

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Profile

I'm a software engineering enthusiast with a knack for learning new aspects quickly. I've acquired adequate knowledge to work in a good amount of domains under computer science like web development, AI and IoT, and I've created some projects under the same. I excel at communication and have a well-diversified vocabulary.

Education

10th Grade Apr 2017 – Mar 2018
St. John's Public School, Chennai
Scored 92.6% in the CBSE Board Exams.
Subject Topper in E-Publishing and E-Office (Comp. Sci)

12th Grade Apr 2019 – Feb 2020
St. John's Public School, Chennai
Scored 90.4% in the CBSE Board Exams.
Subject Topper in Physical Education.
Head Body (School Pupil Leader) of the year 2019–2020.

Undergraduate Degree Sep 2020 – Present
Vellore Institute of Technology, Chennai

Internships

AI Extern May 2023 – Jul 2023
SmartBridge, Remote
Developed a Recipe Recommendation System which captures images, detects ingredients in it and suggests recipes based on those and your preferences.

Extracurricular activities

Managing Director Jul 2022 – Present
PlaceXP VITC, Chennai
Managed all the departments efficiently and successfully conducted 4 events with famous guest speakers under a year.

Personal details

Date of birth
April 11, 2003

Gender
Male

Nationality
Indian

Website
gowthamnatarajan.netlify.app

LinkedIn
linkedin.com/in/gowtham-n-b2289a1b8

Skills

Python Programming

Full-Stack Web Development

Web Design

Machine Learning

Communication

Languages

English

Tamil

Certificates

Microsoft Certified: Azure AI Fundamentals	Jul 2023
Master the Coding Interview: Data Structures + Algorithms	Jun 2023
Natural Language Processing in Microsoft Azure	Feb 2023
Angular & NodeJS – The MEAN Stack Guide [2023 Edition]	May 2021
The Complete 2021 Web Development Bootcamp	Feb 2021

Projects

Personality Predictor

A React based app that uses a ML model hosted on FastAPI to fetch predictions of a person's personality and how they would fit with the society.

Recipe Recommendation System

A React based app that uses ESP32 CAM to fetch pictures of ingredients to identify them using an ML model hosted on FastAPI and render recipes based on the available ingredients using Spoonacular API. There's another segment which handles the ingredients, gets user preferences and uses ChatGPT API to generate a recipe on it's own.

Calculate.io

A React based app that can do calculations using basic operations to complex mathematical operations.

SpamFind

A Streamlit based app that uses an ML model to classify whether a message is a spam or not.

PlaceXP Official Website

A Next based app that assists students in terms of placements. I worked and assisted on the complete UI overhaul using TailwindCSS, improved file structure and backend integration.

Weather.io

A React based app that displays all weather, geocoding and air purity-based information retrieved from Weather API.

Sun Tracking Solar Panel

A machine that aligns the solar panel in accordance to the maximum ambience of luminosity achieved using Arduino.

ToDo List

A full stack app (MySQL, Express, React, Node) to record you daily work to do and check their status.

Technologies

- Basics (HTML, CSS, JS)
- CSS frameworks (Tailwind)
- JS frameworks (React, Next)
- Backend Frameworks (NodeJS, Flask, FastAPI)
- SQL (MySQL, PostgreSQL)
- noSQL (Mongo, Firebase)
- Python Programming
- ML Basics (numpy, pandas, sklearn)
- DL (TensorFlow)
- Embedded Systems (Arduino)