

# Sai Ganesh

Github: <https://github.com/SaiGanesh21>

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## EDUCATION

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- **Indian Institute of Technology, Bhilai** Chattisgarh, India  
*Bachelor of Technology; GPA: 7.1* *July 2019 - June 2023*
- **Narayana College** Telangana, India  
*Class 12 - Maths, Physics, Chemistry; GPA: 10* *July 2017 - June 2019*

## SKILLS

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- **Languages:** Python, C, C++
- **Web technologies:** HTML, CSS, Javascript
- **Frameworks/Libraries:** NodeJS, Django, Bootstrap
- **Tools:** Git, Postman,  $\text{\LaTeX}$
- **Databases:** SQL, Postgres

## PROJECTS

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- **Food Tracker:** Engineered an application to track daily calorie and macronutrient intake, featuring a streamlined interface for easy meal logging and tracking progress. Enabled the tracking of over 10,000 food items for comprehensive nutritional monitoring.  
Tech stack: Django, PostgreSQL  
Github: Food-tracker
- **COVID Travel Planner:** Developed an application that tracked real-time COVID-19 cases and assessed safety for 500+ locations, using data from over 1,000 sources to deliver current and accurate risk assessments.  
Tech stack: Flask, Javascript, SQLite  
Github: Travel-Planner
- **My ChatGPT:** Created a web chat application that emulates ChatGPT's functionalities, integrating OpenAPI keys to enable real-time conversation with 95percent accuracy in response generation, supporting up to 1,000 concurrent user interactions.  
Tech stack: HTML, CSS, Javascript, Nodejs, OpenAI  
Github: My-Bard
- **Fuzzy Logic:** Implemented a fuzzy logic controller using the Mamdani method with manually defined fuzzy sets and rules.  
Tech stack: Python  
Github: Fuzzy-logic
- **Weather App:** Built an application that delivers real-time weather updates for specific locations, offering minute-by-minute forecasts and covering over 50 cities with an accuracy rate of 98%.  
Tech stack: HTML, CSS, Javascript, Bootstrap  
Github: Weather-app

## EXPERIENCE

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- **Dattam** Hyderabad  
*Software Engineer* *July 2024 - August 2024*
  - Created efficient Pydantic models and built a FastAPI application.
  - Integrated the FastAPI application to Postman and executed 70+ test cases for thorough validation.
- **SIMMI FOUNDATION** Remote  
*Summer Intern* *April 2021 - June 2021*
  - Collected and analyzed data from various 50+marketing initiatives to measure campaign performance and identify areas for improvement.
  - Enhanced response rates by over 10% compared to the previous period through a data-driven approach.

## COURSEWORK

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- Data Structures and Algorithms, Object-oriented Programming, Operating Systems, Database Management Systems

## ACHIEVEMENTS

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- Earned a top 5% Letter of Recommendation from SIMMI Foundation for my performance throughout the internship.
- Contributed to the Next.js framework by enhancing its documentation through open-source edits.
- Won a silver medal in the Srinivasa Ramanujan Maths Olympiad, from 250 participants.

## EXTRA CURRICULAR ACTIVITIES

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- **Creative writing:** Achieved 2nd place out of 400 students in the Essay Writing Competition during National Education Day 2019.
- **Sports:** Secured 2nd position in the State-Level Boxing Tournament