

SAAKETH GADEPALLI

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SUMMARY

Dynamic open-source contributor with a proven track record at GitHub, enhancing documentation and resolving issues in Python and JavaScript. Proficient in version control and API testing, I excel in collaborative environments, leveraging strong problem-solving skills to drive project success and improve user experience.

SKILLS

- Python
- C programming
- C++
- JavaScript
- Database management systems
- HTML and CSS
- Next.js and React.js
- Node.js and Express.js
- MongoDB
- Version control with Git
- API testing with Postman
- Design with Figma
- Package management with NPM

EXPERIENCE

OPEN-SOURCE CONTRIBUTOR

Open-Source Contributor

04/2025 to Current

- Contributed to beginner-friendly GitHub repositories by reporting bugs, improving documentation, and solving issues in Python and JavaScript.
- Learned version control, pull requests, and open collaboration

EDUCATION AND TRAINING

BACHELOR OF SCIENCE: COMPUTER SCIENCE AND ENGINEERING

Expected in 05/2028

CHENNAI INSTITUTE OF TECHNOLOGY

GPA: 7.2 / 10.0

WEBSITES, PORTFOLIOS, PROFILES

- <https://www.linkedin.com/in/saaketh-gadepalli-648a3b325/>
- saaketh-cmd

ACCOMPLISHMENTS

- Solved 350+ problems on LeetCode and 700+ problems on CodeChef, focusing on Data Structures and Algorithms in C++ and Python.
- Self-learning Mandarin and improving full-stack development skills (HTML/CSS/JS + Flask + MongoDB).
- Multilingual communicator - comfortable in English, Hindi, Telugu; learning Tamil and Mandarin.

PROJECTS

SmartReview – Sentiment analyzer for retail feedback

Built a Flask-based web application using TextBlob to analyze and summarize customer reviews from e-commerce platforms, implemented word-cloud visualizations, polarity scoring, and automated summary generation for store owners, and integrated clean form handling, backend logic, and classification workflows for a seamless UI & UX

CS50x final project – Flask-based utility application

Created a full-stack web app using Flask, SQLite, and HTML/CSS as the capstone project for Harvard CS50, built features such as user authentication, database operations, and responsive UI, targeting real-world student problems (task manager, GPA calculator) with a focus on clean design, data storage, and usability

Real-time Bengaluru insights – intelligent city dashboard (hackathon project)

Built an AI-powered dashboard integrating real-time data streams, multimodal citizen inputs (text, images, GPS), and predictive models. Used clustering techniques to detect traffic congestion, hotspots, and emergency zones, and designed an interactive front end with dynamic map-based visualization for real-time monitoring

Cancer detection model with explainable AI (Grad-CAM)

Developed and trained a CNN model using over 1,500 medical images for early-stage cancer detection, and achieved strong accuracy through preprocessing, augmentation, and hyperparameter tuning. Implemented Grad-CAM heatmaps to highlight key regions influencing predictions, increasing transparency and explainability of results

E-commerce platform with admin dashboard

Developed a complete e-commerce web application featuring product listings, a cart, checkout, and order management, and implemented the backend using Express.js and MySQL with EJS-based templates. Added admin controls for inventory management, analytics, and role-based authentication, along with robust error handling and dynamic routing

COURSEWORK

- CS50: Introduction to Computer Science, HarvardX

- MongoDB Basics for Students, MongoDB
- Git & GitHub Crash Course, Udemy
- Web Development Bootcamp, The Complete 2024 Web Development Bootcamp - Udemy

LANGUAGES

Chinese (Mandarin): A1

Beginner (A1)