Siddharth Gautam

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LinkedIn   GitHub

Education

Chandigarh University, Mohali   July 2022 – June 2026
Bachelor of Engineering in **Computer Science**   CGPA: 7.2/10

Christukula Mission Hr Sec School, Satna   Apr 2020 – Mar 2021
Intermediate   76%

Christukula Mission Hr Sec School, Satna   Apr 2018 – Mar 2019
Matriculation   81%

Technical Skills

- **Languages: C++**, **Java**, **Python**, **SQL**, **JavaScript**
- **Web Development: React.js**, **Node.js**, **Express.js**, **Redux**, **WebSockets**
- **Databases: MongoDB**, **PostgreSQL**
- **Tools: Git**, **GitHub**, **Postman**, **Docker**, **Kubernetes**
- **Cloud/Containerization: AWS**, **Heroku**, **Vercel**
- **Other: REST APIs**, **JWT**, **CI/CD**

Problem Solving

Competitive Programming:
Codeforces (Pupil): 1308 Rating (150+ Problems) – Consistently ranked in the top **LeetCode:** 1785 Rating (320+ Problems) – Focused on **algorithms** and **data structures**, consistently solving challenging problems under time constraints.
CodeChef (3 Star): 1690 Rating (50+ Problems) – Specialized in **Dynamic Programming**, **Greedy Algorithms**, and **Graph Theory**.
Codolio: Codolio Profile – Demonstrated proficiency in solving real-world coding challenges.
Total Problems Solved: 650+ across multiple platforms, showcasing a strong foundation in **algorithmic thinking**, **optimization**, and **problem-solving skills**.

Key Focus Areas:

- **Algorithms: Dynamic Programming**, **Backtracking**, **Sorting**, **Greedy Algorithms**
- **Data Structures: Arrays**, **Linked Lists**, **Stacks**, **Queues**, **Trees**, **Graphs**, **Heaps**
- **Complexity Analysis:** Focused on time and space optimization in **algorithm design**
- **Problem Solving:** Consistently solving problems under time pressure and improving efficiency

Projects

Scalable Real-Time Chat Application   Jan 2025 – Present
*Technologies: **Node.js**, **WebSockets**, **MongoDB**, **Redis**, **React.js**, **Docker**, **Kubernetes**, **JWT***
Designed and developed a **real-time chat application** enabling instant communication between users.
- Utilized **WebSockets** for real-time bi-directional communication, allowing for smooth messaging experiences.
- Built a scalable backend with **Node.js**, integrating **Redis** for managing real-time message queues and ensuring low-latency communication even during peak traffic.

- Secured the application with **JWT** authentication for user login and sessions, ensuring safe data exchanges.
- **Deployed** the app using **Docker** containers, and scaled it with **Kubernetes** for high availability and load balancing across multiple instances.

Real-Time Sentiment Analysis Tool Jan 2025 – Present
*Technologies: **React.js**, **Node.js**, **Flask**, **TensorFlow**, **Hugging Face**, **WebSockets**, **MongoDB***
Developed a **real-time sentiment analysis tool** to monitor social media and customer feedback for brand sentiment and user sentiment analysis.
- Implemented **BERT** and **TensorFlow** models for **Natural Language Processing (NLP)**, enabling the classification of text data into positive, negative, and neutral categories.
- Integrated **Hugging Face** transformers for fine-tuning and improving sentiment prediction accuracy.
- Utilized **WebSockets** for real-time data processing, ensuring quick feedback as new content is gathered from external sources like social media or customer reviews.
- **Stored analysis data** in **MongoDB**, allowing for effective querying and aggregation for reporting purposes.

AI-Based Automated Resume Screening Tool Jan 2025 – Present
*Technologies: **Node.js**, **Flask**, **spaCy**, **BERT**, **MongoDB***
Built an **AI-powered resume screening tool** to streamline the recruitment process by analyzing and scoring resumes based on job descriptions.
- Leveraged **spaCy** and **BERT** for extracting and analyzing text data from resumes, identifying key skills, experiences, and qualifications.
- Developed **Node.js** APIs for resume parsing and integration with external systems.
- Utilized **MongoDB** to store parsed resume data for efficient searching and filtering of candidates.
- The tool can automatically match resumes with job requirements, significantly improving the efficiency of recruitment by reducing manual screening time.

Achievements

- **Codechef:** 3-Star rating (1617) and 600+ problems solved.
- **Codeforces:** Ranked Pupil (1262) with 140+ problems solved.
- **Hackathons:** 3rd place in Kriti 2023, Software Problem Statement category.

Positions of Responsibility

Overall Coordinator, Student Web Committee, Chandigarh University Apr 2024 – Present
Lead a 100+ member team delivering high-end web solutions and ensuring timely project delivery.

Web Development Lead, C Square, Chandigarh University Apr 2023 – Apr 2024
Led the web development team, managing multiple projects for campus events and technical clubs.

Certifications

- Introduction to **Databases** – Meta
- **Databases** and SQL for Data Science and Python – IBM
- Introduction to **Front-End** & **Back-End** – Meta
- Computer Organization and its Architecture – NPTEL

Interpersonal Skills

- **Leadership**, Teamwork, **Problem Solving**, Critical Thinking, **Adaptability**, Time Management