SUNAMI DASGUPTA

5-Star coder @ CodeChef — Stanford Hackathon — Google CodeJam 2022 — LiFT Scholarship

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EDUCATION

California State University - Chico · **2026**
Bachelor of Science, Computer Science · *Chico, California*

Data Structures, Algorithms, Statistics and Probability, Calculus I - **GPA - 4.0 / 4.0**

EXPERIENCE

Teaching Assistant ↗ · **08 / 2022 - present**
California State University, Chico · *Chico, CA*

- Assisted **50+ students** in understanding complex CS concepts by developing individualized study plans and resources, boosting comprehension by 15%.
- Instructed lab of 25 students in programming techniques through easy-to-follow examples, leading to a **10% increase in final exam scores**.

Web Developer ↗ · **05-2021 - 08-2022**
Multiprocessing Muggles · *Menlo Park, CA*

- **Collaborated with 8 members** across **3 teams** to complete **design & build** a Video-Streaming Web Application within **5 months**, resulting in an **on time launch** and **cost savings by 20%**.
- **Optimized backend systems** by revising codebase structure & **processes to improve loading speed** of the web application **by 40%.**

PROJECTS

Chat Application: Muggle Space ↗ | **React, Node, MongoDb, WebSockets** · **08 / 2022**

- Implemented **React** for the front-end development, resulting in a **visually appealing** and intuitive **user interfac**e for the chat application.
- Utilized **Node.js** and **MongoDB** to create a scalable and **robust backend** infrastructure for the chat application, ensuring **high availability and performance**.

Movie Streaming App ↗ | **TypeScript, REST APIs, Node, Modal UI** · **01 / 2022**

- Designed and implemented a clean, **user-friendly interface** using **React** ,**Modal UI**, **Styled Components** and **Tailwind CSS**.
- **Optimized** the performance of the application by implementing efficient **REST APIs**, ensuring fast and reliable **data transfer** between the front-end and back-end.
- **Integrated Google Authentication** for secure and convenient **user sign-in** and sign-up, enabling users to **easily access** their accounts and enjoy the movie streaming experience.

Graphical Drawing APP ↗ | **HTML, CSS, JavaScript** · **11 / 2021**

- Implemented a **user-friendly interface** allowing users to create and edit drawings with various tools such as pen, eraser, shapes, and color picker.
- Utilized the **HTML5 canvas element** to **render** drawings in **real-time** and store the drawings as images.

HONORS & AWARDS

Stanford University Hackathon 2023 ↗ **-** Accepted to the Treehacks 2023 which has acceptance rate of 3.5%.
Google Code Jam 2022 ↗ **-** Rank 647 out of 45300.
CodeChef Global Coder 2021 ↗ **-** Global Rank 9 out of 60K+ candidates.
Linux Scholar 2022 ↗ **-** Awarded as the "Developer-Do-Gooder" - Open-Source Contribution.
Chico State International Student Excellence Scholarship 2022.
Certificate of Excellence ↗ **-** For being in the top 0.1 % of 1.78 million candidates.

SKILLS

Languages: C, C++, Python, Java, HTML/CSS, JavaScript.
Technologies/Frameworks: React, Node, MongoDB, ExpressJS, TypeScript, Tailwind CSS, jQuery, JS(ES6+), Bootstrap , REST API, Mongoose, Linux/Unix
Soft Skills: Adaptability, Active Listening, Openness to Feedback, Communication, Enthusiasm