Hari Sai Prakash

408-507-4873 | h.prakash@op.iitg.ac.in

LinkedIn: linkedin.com/in/hari-sai-prakash-40ab00132 | GitHub: github.com/hsprakash

EDUCATION

University of California, Davis
Bachelor of Science in Computer Science
June 2027 | Davis, CA

Indian Institute of Technology Guwahati (IIT G)
Bachelor of Science in Data Science and Artificial Intelligence
June 2028

EXPERIENCE

Software Engineer Intern
BlueFlag Security | Sunnyvale, CA | July 2024 – Present

- Processed and structured user, group, and membership data from Okta and Azure Active Directory (AD).

- Developed a JSON-based export system to streamline data integration across applications, reducing processing time by 40%.

Software Engineer Intern
Blast Asia Inc. | Remote | March 2023 – May 2024

- Built a machine learning model for handwriting recognition to assist students with disabilities.

- Leveraged Azure ML and Kaggle datasets to enhance accuracy, achieving a 92% recognition accuracy rate.

- Improved software usability and accessibility, increasing engagement from educators by 30%.

Student Researcher
Aspiring Scholars Directed Research Program (ASRP) | Fremont, CA | Aug. 2021 – Feb. 2023

- Analyzed sound wave patterns in the Gayatri Mantra for a cognitive enhancement study.

- Designed an algorithm improving cognitive skills in individuals with learning difficulties.

- Research showed a 10% cognitive improvement after one month; contributed by developing a frequency modulation model for analysis.

PROJECTS

Veil v3 – Automated Class Enrollment System
Technologies: HTML, CSS, JavaScript, Electron, Python

- Automated class registration at De Anza using web scraping and scheduling.

- Integrated Discord Webhook API for real-time notifications, reducing manual registration delays by 80%.

Netflix Skipper – Chrome Extension
Technologies: HTML, CSS, JavaScript

- Built a Chrome extension to automatically skip Netflix intros.

- Developed a popup UI to enable/disable features, leading to over 500 downloads within the first month.

HHR Support Bot – Discord Bot for Helmet Heroes Reborn
Technologies: Python, Discord.py, SQLite

- Created a verified bot used by 100+ guilds for game-related queries.

- Designed a custom API for data retrieval from game databases, reducing query response time by 50%.

Console Game Shop – Java Application
Technologies: Java

- Built a console-based game shop with user roles (guest, customer, employee, manager).

- Developed custom data structures for managing inventory and user interactions, reducing inventory lookup time by 35%.

TECHNICAL SKILLS
- **Programming**: Python, Java, C++, JavaScript, HTML, CSS, SQLite, Roblox Lua

- **Frameworks & Tools:** React, Node.js, Flask, FastAPI, Material-UI, Git, Google Cloud Platform, VS Code, Okta, Azure

- **Libraries**: pandas, NumPy, Matplotlib, Discord.py