

# Rohan Shiva

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## Education

### University of Minnesota Twin Cities

Minneapolis, Minnesota

Bachelor of Science: Computer Science | GPA: 3.97

Sept 2019 – May 2023

- **Applicable Coursework:** Operating Systems, Program Design & Development, Machine Learning Fundamentals, Algorithms and Data Structures, Advanced Programming Principles, Memory Architecture
- **Accomplishments:** Presidential Scholar, Minnehack 2021 Hackathon Winner, Treehacks 2021 Finalist

## Experience

### Deta

Berlin, DE

Software Engineer Intern

Feb 2021 – Current

- Deta is a cloud platform that allows users to build and scale applications in seconds.
- Designed and implemented an end-to-end **dashboard** for **Deta Drive**, a cloud storage platform, with support for image/file preview and nested folder structure using **Figma**, **React**, **Emotion**, and **Node**.
- Built a React based code editor with syntax highlighting from scratch to edit files in **Deta Drive**, reducing the project build size by **50kb**.
- Added functionality to bootstrap a **Deta Micro** and update the application to the Deta CLI with **Go**, **PowerShell**, and **echo**.
- Identified and resolved a production critical bug that prohibited users from updating the Deta CLI with root cause analysis.
- Automated **Deta Micro** management/debugging with an internal **Python** tool, reducing Micro config change time from **minutes to seconds**.
- Architected and integrated over 20 applications into the **Deta Space** platform, persisting app/user data to **Deta Base** and hosting blob data to **Deta Drive**.

### Microsoft

Remote

Open Source Developer - Fellowship

Dec 2021 – Feb 2021

- Extended the VS Code Pull Request View Extension by adding the ability to interact with **Github** assignee and milestones.
- Utilized GitHub's **Octokit** and **GraphQL** API to fetch pull request information and update it server side when modified on the **Preact** client side.
- Worked with a project mentor and team members in sprint planning to ensure that the project was completed before the deadline.

## Projects

### Peaks [Svelte, Python, JavaScript, Figma, CSS] ([Github](#)) ([Demo](#))

- Designed and experimented with different UI/UX using **Figma** to provide an intuitive user experience.
- Created an interactive adaptive experimentation application using **Svelte**, allowing users to make the best choices.
- Developed an API framework for users to interact with their experiment and collect real-time analytics.

### MethodDraw [JavaScript, HTML, CSS, Python, FastAPI] ([Github](#)) ([Demo](#))

- Integrated it into the Deta Space platform, allowing users to use the app on any device and store the drawings on their personal cloud.
- Implemented a mechanism for users to share drawings via edit/view links using **FastAPI**, and **Python**, which attracted **1000+** users.
- Built components for clipboard history, save to cloud, share drawings using **HTML**, **Tailwind CSS**, and **JavaScript**.

### Patram [Python, Tailwind CSS, HTML, Jinja2] ([Github](#))

- Designed a simple yet beautiful documentation site, that is customizable, and has no build steps involved.
- Utilized **Jinja2** templates, and implemented a **FastAPI** application to pre-fetch the content and server side render the HTML pages.

### GitGame [React, TypeScript, Python, FastAPI] ([Github](#))

- Working on creating a fun online multiplayer game, where users try and guess the author of a piece of code.

## Relevant Skills

**Languages:** Python | HTML | Java | JavaScript/TypeScript | CSS | Go | C | C++ | OCaml

**Frameworks/Technologies:** React | Svelte | FastAPI | Express | Node | Echo | Firebase | Docker | AWS | Git | Tailwind CSS | Docker | Redis | GraphQL