

DIVYAM AHUJA

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EXPERIENCE

Chromium

Remote

Google Summer of Code Intern

May 2022 - Present

- Currently I am working on AudioWorklet implementation for Emscripten
- Emscripten uses deprecated ScriptProcessorNode for Audio processing which is unsecure and provides bad UX
- Using AudioWorklet will provide more security and smoother User Experience as AudioWorklet runs in separate AudioWorkletScope which doesn't block main JavaScript thread

CSED DCRUST

Sonipat, Haryana, India

Web Developer Intern

October 2020 – April 2021

- Designed and Developed responsive mobile-friendly User Interface of NSS and CSED landing page
- Applied SEO, SSR and lazy-loading techniques using Next.js for a faster smoother UX

EDUCATION

Deenbandhu Chhotu Ram University of Science and Technology

Sonipat, Haryana, India

B.Tech. Computer Science & Engineering (CGPA: 7.81)

August 2018 – August 2022

SKILLS

Languages: C, C++, Python, JavaScript, TypeScript, Go (Golang), Bash, HTML5, CSS3, Java

Frameworks: React, Redux, Node.js, Deno, Svelte, Express

Tools/Platforms: UNIX/Linux, Shell, Git, Docker, Emscripten, WebAssembly

Databases: MySQL, MongoDB, Fauna

PROJECTS

fastbin: A code sharing web app | *React.js, Next.js, Serverless functions (Vercel), Serverless Database (FaunaDB), TypeScript*

- A fullstack code sharing web application, deployed on vercel with 100% serverless backend.
- Frontend is implemented in Next.js and Backend using serverless functions (Vercel) and database (FaunaDB)
- Share code easily via links, and code gets deleted from database after 5 days
- github.com/DivyamAhuja/fastbin, fast-bin.vercel.app

3D Rendering Engine | *C++, CMake, OpenGL, GLTF, GLFW*

- An OpenGL based 3D renderer written in C++
- Implements basic mesh loading from GLTF file
- Phong model for basic illumination implementation
- github.com/DivyamAhuja/nyan-renderer

YMeet | *React.js, Socket.io, Node.js, WebRTC, Express*

- A full-stack video call app with node.js and express serving a REST API and reactjs used for frontend
- WebSockets and socket.io for P2P connection and WebRTC credentials sharing
- Implements peer to peer connection using WebRTC to transmit video for upto 4 connections
- github.com/DivyamAhuja/YMeet, whymeet.herokuapp.com

OPEN SOURCE EXPERIENCE

processing/p5.js

Remote

Open Source Contributor

Mar 2020 – Present

- Debugged issues and wrote fixes related to maths domain of library
- Updated documentation, examples and test cases for library functions

COURSES AND CERTIFICATIONS

Electronic Arts Software Engineering Experience Program

Virtual, Forage

Electronic Arts, Forage

October 2021

CS50AI: CS50's Introduction to Artificial Intelligence with Python

Virtual, edX

Harvard, edX

July 2020