

DIVYAM AHUJA

+91 7015600547 | ahujadivvyam@gmail.com | github.com/DivyamAhuja | divvyam.dev

EXPERIENCE

Chromium

Google Summer of Code Intern

Remote

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

CS&ED DCRUST

Web Developer Intern

Sonapat, Haryana, India

October 2020 – April 2021

- Designed and Developed responsive mobile-friendly User Interface of NSS and CS&ED 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

B.Tech. Computer Science & Engineering (CGPA: 7.73)

Sonapat, Haryana, India

August 2018 – August 2022

SKILLS

Languages: C, C++, Python, JavaScript, TypeScript, Go, 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

Open Source Contributor

Remote

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

Electronic Arts, Forage

Virtual, Forage

October 2021

CS50AI: CS50's Introduction to Artificial Intelligence with Python

Harvard, edX

Virtual, edX

July 2020