

Rishav Thakur

Computer Science Undergrad, Web Developer

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EDUCATION

Institute of Engineering & Technology, DAVV
Computer Science

Expected Graduation: May 2021
GPA: 7.53 / 10.0

PROJECTS

Flocking Infinity (Chrome Extension) ([Store](#), [Github](#)) - Js, Canvas July 2020

- Built a chrome extension that replaces your new tab in chrome with Flock Simulation.
- based on Craig Reynolds's boids algorithm and paper.

8-TILES (Web Game) ([Play](#), [Github](#)) – React December 2019

- Built a clone of the classic sliding puzzle in React with solver.
- Solver based on A* search algorithm.

Spotify Party ([Github](#)) – React, Node, Express, MongoDB, Socket.io August 2020

- A web app where you can create an online virtual lounge, allowing you to chat and see what your friends are playing.

Drums-2.0 (Drum Machine) ([Site](#), [Github](#)) – React, WebAudioApi August 2019

- Drum Machine made in React and WebAudioApi. Design and functionality based on Roland 8080.
- .Features global reverb and ADSR for each instrument.

Degrees of Actor Kevin Bacon ([Github](#)) – Python, Flask, React, Sqlite June 2019

- Finds link (erdos number) between any actor and Kevin Bacon using movies.
- It uses a graph database created from imdb database and then uses bfs to link the 2 actors.

EXPERIENCE

Walkover - SDE Intern Apr 2020 - June 2020

- Built a market analysis tool by crawling 1 million sites and categorized them. With features like search engine, sub-categorization, rank and size changes of each Industry for analyzing market trends. Worked on ML and frontend, frontend open-sourced [here](#). ([demo](#))
- Created an online platform for ViaSocket to securely run user script in any language using docker, node and react.

Nvidia – Summer School Intern June 2019 - July 2019

- Worked on Compilers through LLVM/Clang. Studied Machine Independent optimization (using graphs). Wrote a pass in LLVM.
- Learned vim, tmux, ssh and other tools to effectively code on remote machines.

TECHNICAL SKILLS

Programming Languages & Topics: Js, Python, C++, Ds and Algorithms

Technologies: React, Redux, Node, Gatsby, GraphQL, Flask, Express, MongoDB, Postgresql, d3-js, pandas.

ACHIEVEMENTS

- Open Source contributions [@Mozilla](#) and [@creativecommons](#).
- Winner Board-Js Game Jam. 3rd place in College Hackathon
- [paper](#) publication in Elsevier-SSRN.