Akash Raj

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Education

Guru Gobind Singh Indraprastha University, *Bachelors in Computer science & Engineering*
Aug 2016 – Jul 2020

Experience

Snap2Insight, *FullStack Web Developer*
May 2020 – present

Trelos, *FullStack Intern*
Jul 2019 – Nov 2019
- Developed 4 important modules for online learning platform in PHP and JQuery.
- Developed website for partner Universities and Schools.
- Managed Database and server.
- Developed a custom data collection and analytics application for an NGO all by myself.

Defense Research and Development Organization, *Machine Learning Project Trainee*
Jun 2019 – Aug 2019
- Learned and explored many machine learning techniques under great mentorship.
- Successfully managed to deliver a project(Deep-Dance) on machine learning applying all the skills learned during training.

Projects

GitStats (https://gitstats.me), *Open-source Github Contribution analyzer* ⤤
Apr 2020 – present
- This tool summarizes any GitHub profile and highlights some statistics about user, user's code and user's habits.
- Tech stack: Reactjs, Express, Redis, GraphQL.
- 3k+ page views within 2 days of launch.

COVID 19 Dashboard (https://akashraj.tech/corona/interactive) ⤤
Apr 2020
- Covid 19 interactive dashboard with Map.
- Tech Stack: React and AmCharts

Information Universe (https://information-universe.herokuapp.com) ⤤
Sep 2019
- A web app that represents information in easy to digest format.
- Information is scraped directly from Wikipedia using custom a script written in Node.js.
- Tech stack Node.js, Express, REST API

Collaborative Drawing (https://col-draw.herokuapp.com) ⤤
Feb 2019
- A web application where multiple people can use a shared canvas to draw and have fun. Inspiration (skribbl.io ⤤)
- Extra features: Live chat using sockets
- Developed using Node.js, Socket.io, p5.js and HTML/CSS.

Image2Audio (https://github.com/akashraj9828/image2sound),
Audio to image Steganography ⤤
Dec 2018
- Java program that converts an Image into Audio.
- Image can be seen in audio's spectrogram
- Use case: Steganography, Security and Communication

Skills

Programming (*Python, Node.js, JavaScript, PHP, SQL, C++, Java, C#, OOP*)

Machine learning (*Python with NumPy, Pandas and Keras*)

Statistical Analysis (*PHP, ApexCharts, Excel Spreadsheet, Google Data studio*)

Version Control (*Git, GitHub, Bitbucket*)

Front end (*React, Node.js, HTML, CSS, SCSS, JQuery*)

Cloud (*AWS, Heroku*)

OS (*Linux, Windows*)

Publications

Deep Dance (Showcasing the capabilities of RNN and CNN on a video dataset)

Awards

Top 5 in Internal College Hackathon, *Ministry of Human Resource Development*

Maths Olympiad
Won 2nd place in International Maths Olympiad School level

Open Source Contribution

P5.js

Interests

Web Development

Machine learning/AI

Data Analytics

Game Development

Network Security