

# 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