

# ANIRUDH KANNAN

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## SUMMARY

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B.Tech from Indian Institute Of Information Technology. Working as a Full Stack Software Development Engineer focused in areas where Software Engineering intersects with Data Engineering, Artificial Intelligence and Machine Learning

## EXPERIENCE

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### Software Development Engineer, Chronus, LLC

Jul 2020 - Present

- Chronus software powers hundreds of successful mentoring programs for some of the worlds largest organizations including Facebook, Amazon, Uber, EY, Autodesk, MetLife and Twitter etc. More than 1,500,000 people have utilized Chronus software worldwide.
- Work in the Architecture team, where I Led the advanced insights initiative for more robust real time Chat abuse detection and Offensive Images detection via tools like TensorFlow, RubyonRails, Redis, MySQL, NodeJS, Numpy,scikit-learn, Ruby and Pandas.
- Made backend REST APIs using Python that interacted with the UI via Ruby on Rails and interacted with the MySQL database and used Postman to test the APIs and git version control system for tracking changes in the source code during development.

### Software Development Engineering Intern, Amazon.com, Berlin,Germany

Jul 2019 - Dec 2019

- Built a custom microservice single handedly using Python,NAWS, React, Javascript, TypeScript, NodeJS,Grunt, Karma, Webpack and Webdriver IO, and shipped it to the AWS Design System which is now used by the 1 million+ active AWS customers.
- Improved user experience with responsive behaviour and accessibility in design and implementation. Also found some missing tests for other microservices and some bugs in the runtime engine of the system. Took initiative and shipped them to production in a high quality fashion.
- Iterated with the customer and the team on API design and included customer feedback in delivery at every stage.

## PROJECTS

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### Fitcine: An app to make donations in medical field transparent using BlockChain

- Built Using Ethereum Blockchain,React,truffle-hdwallet-provider, Tensorflow, Keras, Solidity , Python
- <https://github.com/anirudhkannanvp/Fitcine%E2%80%93An-Ethereum-Blockchain-Based-Medical-App>

### A real time Social media + Chat application Done in Ruby on Rails, Redis and Deployed in Heroku

- Has real time Chat with Redis and Action Cable, Other Social Media Features like User following, Creating Blog Posts, Login/Logout, User Profile (MVC) Architecture etc
- Used Tensorflow, Keras API, Python, Google Colab,Scikit-learn and Pandas to implement a Chat Offensiveness filter for images and texts
- <https://github.com/anirudhkannanvp/Anirudh-ChimeReal-time-Chat-Application-and-Twitter-done-in-Ruby-on-Rails>

## EDUCATION

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### Bachelor of Technology, Computer Science

Jun 2016 - Jun 2020

Indian Institute Of Information Technology, Sri City

GPA: 8.58

## SKILLS

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**Programming Languages:** C, C++, Python, Java, Go, Javascript, Ruby

**Web Development Frameworks:** : Ruby on Rails(ROR), Spring MVC, AWS, Django, Heroku, NODE.js, Typescript, React, Webpack, MySQL, REST APIs, Web Servers, Caching Mechanisms, Mechanisms, MongoDB, Network protocols (TCP-UDP-HTTP- HTTPS etc)

**Artificial Intelligence and Machine Learning Frameworks:** Tensorflow API, Keras, NumPy, Pandas, scikit-learn & Excel, Matplotlib

**Operating Systems:** Linux(Ubuntu), Windows, Mac

**Others:** Data Analysis, Data Structures and Algorithms, Information Retrieval, Data Analysis, Creating Models, Product Management

## POSITIONS OF RESPONSIBILITY

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- C Programming Teaching Assistant : Sep 2018 - Dec 2018
- Data Structures and algorithms Teaching Assistant : Jan 2019 - Jun 2019

## SCHOLASTIC ACHIEVEMENTS

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- FossAsia OpenTechnights Winner 2018 Singapore : Mar 2018
- 2 times ACM ICPC REGIONALIST in 2018 ACM ICPC Pune region & 2018 ACM ICPC Kolkata region
- 3 Rd Rank In International Informatics Olympiad In Tamilnadu State 2011, Organised By Silver Zone

- CBSE National Chess Championship Winner 2 times.

## REFERENCES

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- Amazon (My Manager at Amazon, issued me a letter of Reference, based on my work. I interned in Amazon, Berlin, Germany from July-2019 to December-2019)
- Prof.Dr.Venkatesh Vinayakarao (Issued a letter of reference during my tenure at IIIT Sri City. I worked under him as a Teaching assistant and also took his course at Indian Institute Of Information Technology, Sricity. He was also my team coach when I participated in ACM ICPC)