

Anish Aggarwal

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EDUCATION

National Institute of Technology Hamirpur

Hamirpur, Himachal, India

• Bachelor of Technology in Computer Science and Engineering **CGPA**: 9.21/10

July 2018 - May 2022

Relevant Coursework: Operating system, Computer Networks, Data structures, Relational Databases, Algorithm design.

EXPERIENCE

Amazon

Incoming Software Developer Intern

Dec 2021 - May 2022

LinkedIn

Software Developer Intern

May 2021 - Aug 2021

- Worked on the login team. Dealt with different member authentication flows, cache, cookie validation, and renewal.
- Worked with cryptographic asymmetric and symmetric encryption involving **ECDSA**, **RSA**, **AES** in **C++** and **Java**.
- Conducted benchmark evaluation over the **Apache Traffic Server** to compare performance results of a standalone executable under different parameters and conditions.
- Reduced the signing time by **75%**, owned the project end to end, and managed to ramp the code to production.

Fiverr

<https://www.fiverr.com/anishaggarwa259>

AWS Freelancer

April 2021 - May 2021

- Developed AWS serverless Lambda using **Sharp**, **SAM** that operates on newly uploaded images in an S3 bucket within a specific folder, optimize them for the web, and store them in the same bucket within another folder.
- Currently used in production mode, reduces image size to **40%** of original and helps attain faster responsiveness.
- Developed a image-captioning lambda using **serverless** framework, **Cloudformation**, **TypeScript**, **lambda-layers** and **canvas**, capable of accepting font-url and image-url and responds back with **Base64** encoded image.
- Worked with **Amplify** to integrate Stripe payment workflow based upon different subscription types and trials.

Caarya Labs

Full Stack Developer

<https://zunavish.com>

Oct 2020 - Nov 2020

- Developed Zunavish, an online Job portal. Currently being used by **20+** companies.
- Worked with ReactJs, goLang, MUX and AWS(**Elastic Beanstalk**, **S3**, **DynamoDB**, **Lambda**, **CodePipeline**).

Elastic

https://eui.elastic.co/pr_3681/#/navigation/button/playground

Google Summer of Code Developer

May 2020 - Aug 2020

- Developed a playground service, to see in real-time how different props configurations affect visual and functional output.
- The playground system is capable of automatically generating the correct toggle type for a prop as well as the code configuration of the component.
- Added a **text-diff** utility/hook to generate a set of detailed comparison between two texts.
- Automated accessibility testing using **AXE** and debugged several issues.
- Designed tests for several components using **Enzyme**, react-test-renderer and mocked several functions using **Jest**.

PROJECTS

Desktop IDE (Electron, React, Express, TypeScript, Webpack)

github.com/anishagg17/Ide_desktop

- A Desktop tool to compile and edit *C++ or Python* code and render output based upon user provided input.
- Implemented functionalities like syntax highlighting, working on multiple files.
- Utilized Chrome V8 code caching to speed up instantiation time of the IDE by 20%.
- Added Webpack(module bundler) to enable tree shaking and code splitting which reduced the compilation latency by 5%.

LEADERSHIP AND ACHIEVEMENTS

- **ACM ICPC**: Achieved **65th** rank among 1500 teams for Asia Kanpur onsite region. Aug 2021
- **Open Source Contributions** : Contributed to Jest(FB), Susi.ai(Fossasia) and Bulldozer(Palantir) 2021
- **Elastic Contributor Program**: Ranked **1 world-wide**, and was highlighted during Elastic Community Conference. Feb 2021
- **CodeAgon**, **CodeNation**: Attained a global rank of **16** out of 50k participants. Sep 2020
- **CodeChef Coding Competition, July Lunchtime**: Ranked **28/11k** globally and among top 5 Indians. July 2020

SKILLS

- **Languages/Tools**: C/C++, JavaScript, HTML, TypeScript, React, Go, Python, Java, NodeJs, AWS, MySQL, Electron.js.