

# Anish Aggarwal

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## EXPERIENCE

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### Amazon

*Incoming Software Developer Intern*

*Dec 2021 - June 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/anishagggarwa259>*

*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 the image size to **40%** of original and helps attain faster responsiveness.
- Developed an image-captioning lambda using **serverless** framework, **Cloudformation**, **TypeScript**, **lambda-layers** and **canvas**, capable of accepting font-url and image-url and responds 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(web application), an online Job portal. Currently being used by **20+** companies.
- Worked with Angular, goLang, MUX and AWS(**Elastic Beanstalk**, **S3**, **DynamoDB**, **Lambda**, **CodePipeline**).

### Elastic

*Google Summer of Code Developer*

*[https://eui.elastic.co/pr\\_3681/#/navigation/button/playground](https://eui.elastic.co/pr_3681/#/navigation/button/playground)*

*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 comparisons between two texts.
- Automated accessibility testing using **AXE** and **Cypress** to identify several issues.
- Designed tests for several components using **Enzyme**, react-test-renderer and mocked several functions using **Jest**.

## EDUCATION

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### National Institute of Technology Hamirpur

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

*Hamirpur, Himachal, India*

*July 2018 - May 2022*

*Relevant Coursework*: Database Design, Object Oriented Design, Network Programming, Data structures, Algorithm Design.

## PROJECTS

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### Desktop IDE (Electron, React, NodeJs, TypeScript, Webpack)

*[github.com/anishagg17/Ide\\_desktop](https://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.
- Added Webpack(module bundler) to enable tree shaking and code splitting which reduced the compilation latency by 5%.

## LEADERSHIP AND ACHIEVEMENTS

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- **ACM ICPC**: Achieved **21st** rank among 1500 teams for Asia Kanpur onsite region. *Aug 2021*
- **Open Source Contributions**: Contributed to Jest(Facebook), Susi.ai(Fossasia) and Bulldozer(Palantir) *2021*
- **Google Coding Competitions, KickStart**: Ranked **325/20k**, **165/18k**, **198/22k** in round A, B and D respectively. *2021*
- **Elastic Contributor Program**: Ranked **1 worldwide**, and was highlighted during Elastic CC by **CEO**. *Feb 2021*
- **CodeAgon, CodeNation**: Attained a global rank of **16** out of 50k participants. *Sep 2020*
- **CodeChef Coding Competition, July Lunchtime**: Ranked **8/11k** globally and among top 3 Indians. *July 2020*

## SKILLS

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- **Languages/Tools**: JavaScript, GraphQL, SCSS, HTML, Go, Python, ExpressJs, MySQL, ElectronJs, Git, Ethereum.