

# Anish Aggarwal

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## EXPERIENCE

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### Amazon

Software Developer Intern

Jan 2022 - Current

- Working as a part of Amazon Pay team.

### LinkedIn

Software Development Engineer Intern

May 2021 - Aug 2021

- Worked on the login team. Dealt with different member authentication flows, cache, cookie validation, and renewal.
- Reduced the signing time by **75%**, owned the project end to end, and managed to ramp the code to production.
- 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.

### Major League Hacking

Major League Hacking Fellow

<https://github.com/MLH-Fellowship/3.0.0-repo-rankr>

June 2021 - Aug 2021

- Worked in a team of 4 to develop RepoRankr(Web app), to scan any GitHub Repository and determine a Grade score for how well said repository conforms to best practices of Open Source.
- Contributed to Slate open source code-base, the most popular rich text editor framework for React used by **64.3k** users.

### Fiverr

AWS Freelancer

<https://www.fiverr.com/anishagggarwa259>

April 2021 - May 2021

- Developed AWS serverless Lambda using **Sharp**, **SAM** that gets triggered on an image upload in an S3 bucket, optimize the image and stores the result in the same bucket within another folder.
- Currently used in production mode, reduces the image size to **40%** of original and helps attain low latency response.
- Developed an image-captioning lambda using **serverless** framework, **Cloudformation**, **TypeScript**, **lambda-layers** and **canvas**, capable of accepting font-url and image-url and reverting a **Base64** encoded image.
- Worked with **Amplify** to integrate Stripe payment web-hook to manage different subscription types and trials.

### Caarya Labs

Full Stack Developer

<https://zunavish.com>

Oct 2020 - Oct 2020

- Developed Zunavish(web application), an online Job portal. Currently being used by **20+** companies.
- Worked with ReactJs, Go, SQL and AWS(**Elastic Beanstalk**, **S3**, **DynamoDB**, **CloudFront**, **CodePipeline**).

### Elastic

Google Summer of Code Developer

<https://summerofcode.withgoogle.com/archive/2020/projects/5640546665627648>

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 detailed set of comparison between two texts.
- Automated accessibility testing using **AXE** and unit tests using **Enzyme**, react-test-renderer and **Jest**.

## EDUCATION

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### National Institute of Technology Hamirpur

• Bachelor of Technology in Computer Science and Engineering **CGPA**: 9.11/10

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 and handled inter process communication.
- 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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- **Open Source Contributions**: Contributed to Jest(Facebook), Susi.ai(Fossasia) and Bulldozer(Palantir) 2021
- **Elastic Contributor Program**: Ranked **1 worldwide**, and was highlighted during Elastic conference by **CEO**. Feb 2021

## SKILLS

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