Anish Aggarwal

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EDUCATION

National Institute of Technology Hamirpur   *Hamirpur, Himachal, India*
- *Bachelor of Technology in Computer Science and Engineering* **CGPA: 9.1/10**   *Aug 2018 - May 2022*

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

EXPERIENCE

HackerEarth

Problem Setter   *Nov 2020 - Dec 2020*
- Worked in a cross-functional team of 5 setters and prepared several problems along with unit tests.

Caarya Labs

Full Stack Developer   *Oct 2020 - Nov 2020*
- Developed Zunavish [*https://zunavish.com/*], an online Job portal. Currently being used by **20+** companies.
- Worked with React, goLang, MUX and AWS(**Elastic Beanstalk, S3, CodePipeLine, DynamoDB, Lambda**).

Elastic

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**.

Fossasia

Open Source Contributor [https://susi.ai/]   *Dec 2019 - Feb 2020*
- Contributed to SUSI.AI project, an artificial intelligence bot capable of producing personalized feedback.
- Added several functionalities to the chat-bot, like rendering out gif, music or video on user request.

PROJECTS

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.

Results Publishing System (Blockchain, NodeJs, MongoDB)
- Developed an Asymmetric Key Encryption based Result Publishing System to ensure confidentiality of student grades.
- Utilized Blockchain's immutable nature to ensure authenticity of grades.

WebImg-Generator (AWS, Sharp, TypeScript, Cloudformation, SAM, Lambda)
- AWS serverless Labda that uses S3 PUT as a trigger to operate 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.

Cpp-video-stream (C++, web-server, mongoose)   *github.com/anishagg17/cpp-video-stream*
- A C++ web-server to stream video. Implemented 2-endpoints, one hangs forever and returns MJPEG video stream while other one serves static HTML.

ACHIEVEMENTS

- **Google Coding Competitions, KickStart**: Ranked 97/20k, 66/14k in round A and B respectively.   *2021*
- **Elastic Contributor Program**: Ranked **1 world-wide**, and was highlighted during Elastic Community Conference. *Feb 2021*
- **CodeAgon, CodeNation**: Ranked 165 globally out of 47596 participants.   *Sep 2020*
- **Leetcode, Biweekly Contest 33**: Achieved 161 global rank out of 21500+ participants.   *Sep 2020*
- **Facebook HackerCup**: Among 150/50k candidates to advance to the second round   *Oct 2020*
- **CodeChef Coding Competition, July Lunchtime**: Ranked 28/7000 globally and among top 10 Indians.   *July 2020*

SKILLS

- **Languages**: C/C++, JavaScript, HTML, TypeScript, Ruby, GoLang, Python, Solidity.
- **Tools/Frameworks**: React, NodeJs, GraphQL, ElectronJs, Elasticsearch, Framer-motion, Ruby on Rails, Git, Ethereum, AWS.