

Harsh Sheth

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Education

- **National Institute of Technology Hamirpur** *Hamirpur(HP), India*
2018 - - 2023
Dual Degree CSE, CGPA: 8.33
- **Kendriya Vidyalaya No.1** *Indore(MP), India*
2018
XII CBSE Board, CGPA: 92.4%

Work Experience

MAQ Software

Noida(UP), India

SOFTWARE ENGINEER - I

Nov, 2023 – present

- Drafted and built an automation solution for the manual QA process for content management at Percolate for Microsoft clients saving manual labour of more than 10 hours per day.
- Created Power Automate flows for automating the QA process which includes fetching the assets and metadata associated with them using Percolate API, running validation checks on the content, creating Azure Function scripts to extract hyperlinks from the asset and storing all the information in Dataverse table.

Amazon

Gurgaon(Haryana), India

SOFTWARE DEVELOPMENT ENGINEER INTERN

Jan, 2023 – June 2023

- Implemented the HLD and migrated the widgets on Amazon Checkout page from perl-based framework to a new java-based framework which resulted in reducing the developer overhead of maintaining and debugging.
- Wrote comprehensive unit tests(increasing coverage beyond 96%) and UI automation tests using TestNG and Selenium without causing any regression.
- Resolved nearly 6-8 critical bugs and issues in a new backend service, contributing to its seamless launch and integration into the larger ecosystem. This was a critical service used for fetching addresses related to access points
- Demonstrated expertise in cloud infrastructure by creating CloudWatch dashboards utilizing the AWS-CDK library with Type-Script, and setting up alarms on key metrics.

Humble Doors Pvt. Ltd.

Bangalore(Karnataka), India

FULL STACK DEVELOPER INTERN

Nov, 2021 – Dec 2021

- Bootstrapped the backend service and developed APIs, tested and documented them using Postman
- Added JWT based authentication and Single Sign-On option
- Developed the SPA in ReactJS using React-Bootstrap library for styling

NIT Hamirpur

Hamirpur(HP), India

RESEARCH INTERN

June, 2021 - - July, 2021

- Worked in a team of 3 and demonstrated a working model to detect and identify evil twin AP's.

Projects

Miku | *Node.js, Bash, Heroku, AWS, MongoDB, Puppeteer, FFmpeg*

[Source Code](#)

An open source whatsapp bot written in Node.js that performs the following functions:

- Generates sticker from any image, video or video_url
- Send anime pics and gifs of requested category
- Reveal deleted messages in a chat *and many more interesting commands...*
- The project has 8 stars and 12 forks on github and is actively used by many whatsapp users

Augmentation Using GAN | *Python, Augmentor, Deep Learning*

[Source Code](#)

- This project was a proof of concept for my M.Tech thesis
- It generates artificial images from a scarce retinal image dataset with a FID score of 3.29

Memory Card Game | *ReactJS, Flexbox, Vercel*

[Source Code](#)

- Built an interactive memory game using ReactJS
- The project uses RicknMorty API to fetch random images

Technical Skills

Languages: C, C++, JavaScript, Node.js, Golang, Python

Web Technologies: Express, React, MongoDB, Chakra UI, Bootstrap, Puppeteer, Selenium, Chart.js

Tools: Linux, Bash, Neovim, Git, L^AT_EX

Achievements and Responsibilities

1. Qualified GATE 2022
2. Volunteered at GLUG-NITH Society
3. Taught OpenCV using python to M.Tech 1st year students as TA