

# Harsh Sheth

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## Education

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- 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

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### Amazon

*Gurgaon(Haryana), India*

SOFTWARE DEVELOPMENT ENGINEER INTERN

*Jan, 2023 – June 2023*

- Removed legacy code and migrated(100%) AP upsells on checkout page from a Perl-Mason based framework to a new cutting-edge Java framework.
- 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 QA bugs and issues in a new backend service, contributing to its seamless launch and integration into the larger ecosystem.
- Demonstrated expertise in cloud infrastructure by creating CloudWatch dashboards utilizing the AWS-CDK library with TypeScript, and setting up alarms on key metrics.
- Prepared a bashscript to add colors to logs of different severity which improved the readability and reduced the debugging time.

### 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
- Designed the SPA in ReactJS using React-Bootstrap library for styling

### Carrus Mobility Solutions

*Bhopal(MP), India*

FULL STACK DEVELOPER INTERN

*Sep, 2021 – Oct 2021*

- Spearheaded the intern team and designed the database schema
- Implemented figma designs using ReactJS

### 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

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

[Source Code](#)

A 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

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**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<sup>A</sup>T<sub>E</sub>X

## Achievements and Responsibilities

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- Qualified GATE 2022
- Volunteered at GLUG-NITH Society
- Taught OpenCV using python to M.Tech 1<sup>st</sup> year students as TA