

# ROHIT GOHRI

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## EDUCATION

**Netaji Subhas Institute of Technology**, *University of Delhi*  
B.E. in Computer Engineering, CGPA: 7.35

Delhi, IN  
Aug. 2013 - Jun. 2017

**Faith Academy**, *C.B.S.E.*  
AISSCE, Percentage: 92.2%

Delhi, IN  
Apr. 2011 - Apr. 2013

## SKILLS

<b>Languages &amp; Frameworks</b>	Javascript, Typescript, NodeJS, GraphQL, VueJS, MarkoJS, jQuery, Mocha, Jest, C++
<b>Software &amp; Tools</b>	PM2, Nginx, Redis, PostgreSQL, Ansible, ElasticStack(ELK), Grafana, Docker
<b>Other</b>	Linux, Bash, SSH, Git, LaTeX, Adobe Photoshop & InDesign

## WORK EXPERIENCE

**Smartprix.com**  
*Software Developer*

Noida, IN  
Sept. 2017 - Oct. 2019

- Led a team to make website ready for US launch, worked on VueJS admin, **NodeJS** backend, and GraphQL API
- Built an email library using NodeJS, Mailgun, and **Redis** backed queue workers
- Responsible for production **deployments** with PM2 and infrastructure configuration with **Ansible**
- Developed a script around Wal-E to take continuous backups of **PostgreSQL** DB and save weekly backups to GCS
- Generated dynamic popularity factor for products through **ElasticSearch** queries on visitor data
- Enabled static type checking of projects by adding **Typescript** type definitions to existing NodeJS modules
- Built automated **CI pipelines** to increase coverage by 26% and run integration tests across repositories
- Deployed a logging & monitoring environment (ELK, InfluxDB) which gathers log, visit & system data
- Setup **Kibana & Grafana** and made dashboards to monitor and visualize various metrics, and set alerts
- Migrated legacy jQuery code to a modern **Webpack** build system, fixing IE9 support
- Improved a **GraphQL** schema and query builder to support extending interfaces and global fragments
- Converted a Mocha test suite to use Snapshot testing allowing new features to be added more easily

**WooBus.in**  
*Software Development Internship*

Bengaluru, IN  
Dec. 2015 - Jan. 2016

- Setup audit reporting **REST** API routes for submitting data and sending email alerts
- Created corresponding Android App that generates dynamic forms according to API
- Improved a Cordova App that works with a **RaspberryPi** to provide offline experiences during bus journeys

## PROJECTS

**Open Source Contributions**

May. 2019 - Present

- **form-data-polyfill**: Fixed a bug that broke form submissions when using with *Blob.js* polyfill on IE9
- **danger-js**: Added a feature to customize pull request messages with different emojis ❤️
- **web-push**: Fixed a bug where old Google push endpoints stopped working after migrating to Firebase

**Innovision Website**, *NSIT*

Jan. 2016 - Mar. 2016

- Led a team to design and develop the website for NSITs Tech Fest using **NodeJS**, MongoDB, and MaterializeCSS
- Worked on user & event management, social login, **email campaigns**, and deployments
- The site was deployed on Digital Ocean and had a traffic of over **65K** views and 5K signups

**Adaptive Traffic Light Control Using Reinforcement Learning (RL)**, *NSIT*

Jan. 2017 - Jun. 2017

- Ran a study comparing different methods to reduce traffic in a traffic simulator (SUMO)
- Automated vehicle generation and traffic light control in SUMO using **Python**
- Used RL to calculate the next traffic light phase using current conditions while minimizing wait time

## EXTRA-CURRICULAR

**The Alliance - NSIT's Newspaper**

Feb. 2014 - Jun. 2017

- Designed 8 editions and successfully oversaw the launch of 5 editions as the **Managing Editor**
- Revamped the Wordpress website to include an archive of old articles and kick-start a blog