

HEER AMBAVI

B.Tech (Hons.) Computer Science and Engineering
Indian Institute of Technology Gandhinagar

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EDUCATION AND ACADEMIC ACHIEVEMENTS

Degree	Institution	GPA/%	Year
B. Tech (Hons.)	Indian Institute of Technology Gandhinagar	8.87	2020
Class XII	St. Kabir School, Ahmedabad	95.5	2016
Class X	St. Kabir School, Ahmedabad	10.0	2014

- Awarded prestigious **Dean's List for Academic Excellence** for Semester I and II, Academic Year 2016 - 17, and Semester I and II, Academic Year 2017 - 18.
- **Publications**
 - CovidExplorer: A Multi-faceted AI-based Search and Visualization Engine for COVID-19 Information. Poster and Demos. In proceedings of **ACM CIKM'20** Oct 19 - 23, 2020.
 - CovidExplorer: Exploring the Universe of COVID-19 Knowledge. Demo. **SciNLP at AKBC'20**.
 - Gandhipedia: A one-stop AI-enabled portal for browsing Gandhian literature, life-events and social network. In proceedings of **ACM/IEEE JCDL'20** Aug 1 - 5, 2020.
Created, analysed Social Networks depicting Gandhi's life, visually depicted via an interactive web portal using Python-Flask and Plotly.
 - BioGen: Automated Biography Generation. In proceedings of **ACM/IEEE JCDL'19** June 2 - 6, 2019.
Adapted classification algorithms and text summarization techniques to auto generate biographies from a given user dataset.
- Certified Cyber Security Expert (*eCCSE, eSecurify Ahmedabad*)

EXPERIENCE

Member of Technical Staff, Nutanix Technologies.

Aug, 2020-Present

Working with the Microservices Platform(MSP) Team. Helping in hiring full time engineers and interns. Mentoring new joinees within the team.

- *MSP-SDK*: Developed a GoLang SDK for MSP REST APIs. Redesigned and developed MSPCTL, a Command Line Interface on top of MSP SDK with support for intelligent shell autocomplete. Provided cross-team support for smooth onboarding of SDK and transitioning to the new MSPCTL.
- *Platform Upgrade*: Designed and implemented REST API based support for upgrading kubernetes i.e hyperkube and other addons (Prometheus, CSI, Flannel) on MSP kubernetes clusters. Drafted a test plan and automated functional tests for the platform upgrade feature.
- *MSP on Azure*: Working on bringing up the MSP platform on Azure VMs.

Intern, Member of Technical Staff, Nutanix Technologies.

Jan-June, 2019

Worked with Microservices Platform(MSP) Team on an onPrem platform for **kubernetes** cluster orchestration.

- *IDFCLI*: Created a developer tool in **Golang** which simplified making RPCs to IDF (DB for Nutanix clusters) by providing a Command Line Interface.
- *Testing and Automation*: Automated 30+ functional tests in **Python** for app/service deployment on MSP clusters. Scheduled and executed test jobs leading to significant QP improvement for GA release.

TECHNICAL SKILLS

· Python · Golang · Git · Docker · Kubernetes · Verilog · HTML · Linux · Latex · MATLAB
· Windows · MS Office