

## EXPERIENCE

Software Engineer  
HSBC

2020 - present

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Google Summer of Code  
KDE Community

2018

- Collaborated with my mentor to implemented JavaScript extension support for Falkon, reducing the development time by **more than half**.
- Exposed C++ classes as **web extension inspired** JavaScript API using QML as a bridge.

## EDUCATION

Degree	Institution	CGPA/Percentage	Year
B.Tech.	Indian Institute of Technology, Gandhinagar	6.62	2020
Class XII	D.A.V. Public School, Kota (C.B.S.E.)	92.4%	2016
Class X	D.A.V. Public School, Kota (C.B.S.E.)	10.00	2014

## SELECT PROJECTS

Truck

github.com/tarptaeya/truck

Programming language

- Implemented as **tree walking interpreter** using **hand-written** recursive descent parser.
- Supports Integer, String, Boolean, Arrays, Lambdas, Closures and User-Defined Modules.
- Featured on **Proglang Design** and **Product-Hunt** amongst top products of the day.

Crusta Browser

github.com/crusta

Cross-platform desktop web-browser

- Developed cross-platform desktop web-browser with more than **5000 users** from over **120 countries**.
- Unique features like Split tabs, Cookie management, text to speech, custom themes.
- Tweaked UI on OSX using Objective C++ to support dark mode, accent color and make it feel native.

## SKILLS

Languages	Java, JavaScript, C++, Python, Ruby, HTML/CSS, SQL
Frameworks and Tools	React, Tensorflow, Rails, Qt, Git
Certifications	Tensorflow Developer Certificate

## ACHIEVEMENTS

- ACM ICPC: Qualified for **3 regional sites**, one in first year and two in second year of college. 2016, 2017
- JEE Mains: Scored **306/360 (99.99 percentile)** out of 1.2 million candidates. 2016
- NSEP and NSEC: Awarded **Certificate of Merit** for being **National Top 1%** in both National Physics and Chemistry Olympiad. 2016
- KVPY: **Ranked 42**, recipient of **KVPY Fellowship** by Dept. of Science and Technology, Govt. of India. 2015
- IJSO: Selected amongst **top 35** students in India, to attend OCSC at Homi Bhabha Center for Science and Education. 2014
- NTSE: Recipient of **NTSE Scholarship**, organized by NCERT. 2012

## ACTIVITIES

- **Finalist** in HerHack, an internal hackathon by HSBC to promote gender diversity.
- **Campus Ambassador** of HackerEarth, organized various competitive programming contests on the campus.
- Organized **"The Butler Did It"** event which has **over 100 participants**, as a member of the event team of Blithchron'17.
- Part of the Design team for Amalthea'16, **designed posters** to showcase the events and sponsors.