

## EDUCATION

Year	Degree	Institute	% / GPA
2013-2014	10 <sup>th</sup> Grade	Jawahar Navodaya Vidyalaya, Latur	<b>10 CGPA</b>
2015-2016	12 <sup>th</sup> Grade	Rajarshi Shahu Mahavidyalaya, Latur	<b>84.77%</b>
2016-2020	B.E. Information Technology	Pune Institute of Computer Technology, Pune	<b>9.34 CGPA (Final year)</b> <b>8.64 CGPA (Avg. (Sem. 1-8))</b>

## EXPERIENCE

### **Software Engineering Intern** **Groww** (<https://groww.in/>) **14th August 2020 – Present**

- Working with the Core Backend Development team at Groww.
- Owner for the search service which powers the search functionality for Groww app and web interfaces.
- Designed and implemented Trending search, Bank Search features end to end.
- Designed and implemented scalable ingestion pipelines to update Elasticsearch indices, spearheaded the use of rabbitmq to scale up ingestion pipeline.
- Owned the migration of search service api from blocking to reactive Spring.
- Load tested APIs to derive RPS under reactive and blocking implementation of search.
- Performed on-call duties for the core team which included monitoring system performance in logs, new relic, grafana dashboard, responding to alerts - identifying the service causing issue and helping the concerned team fix the same, responding to user reported issues.
- Tech stack: **Elasticsearch, RabbitMQ, Spring boot, Kibana, Redis, New relic, Git, Google analytics**
- **Achievements**
  - Drastically Improved the relevance of search results which improved the search to click ratio from 61% to 87%
  - Implemented Elasticsearch aggregation to optimize number of update requests from 148000 to 496.

### **Mentor, Path Check (Open-source day)** **GHC 2020** **September 2020**

- Helped new contributors make their first open-source contribution, helped them find issues and resolve queries for the project 'Path Check' and Git.
- Helped spread awareness about open source and GHC.

## PROJECTS

- **Top Star: Finding most popular repositories on GitHub:** <https://coderquill.github.io/topstar/>  
Developed a Web app using GitHub API for finding most popular repositories based on language and date as specified by the user. **Utilized:** **HTML, CSS, JavaScript, React, GitHub API, Git, debugged using Chrome Developer Tools.**
- **Hasta Sanvad: Devanagari Sign-lang. Recognition app** <https://github.com/coderquill/HastaSanvad>  
Designed and implemented an android app for learning and recognizing Indian sign language resulting in Increasing the ease of learning Indian sign language by 90%. Developed a unique database for Devanagari sign language by data collection and preprocessing it. **Utilized:** **Git, Java, deep learning, Keras and Python.**
- **Marathi Voice Bot:** Developed a voice bot in Marathi language under SIH 2019.  
**Utilized:** **Android, Firebase Cloud, Google and Droid Voice to text API and Dialog Flow.**
- **Human Resource Management System:** Designed & Implemented web application for HR management system. Developed and integrated database into the application by using MySQL and JDBC. **Utilized:** **Java, JDBC, MySQL, Git, full stack web development.**

## SKILLS AND TECHNOLOGIES

- Languages: **Java, C++(Basics)**
- Storage Technologies: **Elasticsearch, MySQL, MongoDB, Redis**
- Frameworks, tools and concepts: **Spring, Node JS, Git**
- Web Development: **HTML, CSS, Bootstrap, JavaScript, React JS**
- Tools used - **Jira, Jenkins, New Relic, Grafana**

## HONORS AND ACHIEVEMENTS

- **Winner** of ZS Women Ace-a-thon, **2020**.
- Successfully completed **World's Largest Smart India Hackathon 2019** held at NIT Surathkal, secured position among **top 4** teams for NCORD Organization Problem Statement of Marathi Voice Bot.
- Successfully participated in '**Impetus and Concepts**', a **national level** project exhibition at PICT, Pune, securing **2nd position** for sign language recognition app- 'Hasta Sanvad'.
- Successfully presented a **research paper** at a **national level e-Conference** on "[Emerging Trends in AI and Big Data-ETAB 2020](#)", titled, "Hasta Sanvad - A framework for Devanagari sign language recognition".

## EXTRA CURRICULAR ACTIVITIES

- A National level **Bharatanatyam Dancer**, represented Maharashtra at National Integration Meet held at Hyderabad, India.
- An active member of PICT art club.

## OPEN-SOURCE CONTRIBUTIONS

- **Catrobot** : Implemented object cloning feature in Pocket code application, following **Agile** and **Test-Driven Development**, in Java, resulting in 100% cloning precision. Developed games for young children to teach them code by using Pocket Code. Leveraged knowledge: **Git, Java, Catroid, Android, Jira, Jenkins**.
- **Girl Script Summer of Code**: Contributed to 5 popular Algorithms and Data structure repositories. Published **blogs** simplifying **data structure and object-oriented programming** concepts. Leveraged knowledge: **C++, Data structures & algorithms, OOP**.

## LEADERSHIP AND EXPERIENCE

- Was the **head of the Design team**, PICT, Pune (2018-19), consisting of 6 people and have helped to design and develop posters for inter and intra college coding events.
- Took monthly classes of third year, second year and first year students on Data Structures, Algorithms and Problem Solving. Share tricks and motivate them to do better.
- **Volunteer** at PICT CSI Student Branch - Enthusia (Yearly event), 2017.

## CERTIFICATES

- [Coursera Certificate](#) for course "Front-End Web Development with React".
- [Coursera Certificate](#) for course "Object-Oriented Programming with Java".
- [Udemy Certificate](#) for course "The Complete 2020 Web Development Bootcamp".
- [Udemy Certificate](#) for course "Master Object-Oriented Design in Java Homework + Solution".