

## Experience

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### Freelance Work, Vanilla Industries

October 2019 - current

- Technologies: React Native
- Working on the company's React Native application as the sole React Native developer
- Linking the app to the company's Firebase back end

### Intern, Geomitra Solutions LLP, Nagpur

May – July 2019

- Technologies: Spring Boot, Hibernate H2, Java Persistence APIs, React Native, Google Maps API
- Worked on the back end of a web application to connect Non-Government Organizations (NGOs) to potential donors
- Worked on creating a mobile version of the company's web application

### Web and Mobile Development Intern, Oakland Systems Pvt. Ltd., Nagpur

Dec 2018 – June 2019

- Technologies: React Native, Spring, Hibernate
- Worked on two mobile apps developed in React Native, both on Android and iOS
- Developed modules using Spring and Hibernate for the company's web applications

### Full Stack Development Intern, Oakland Systems Pvt. Ltd., Nagpur

May – June 2018

- Technologies: JavaScript, W3C Community Web Speech API, Java, MySQL
- Developed a web application for medical forms that could be configured according to the examiner's needs
- Used the W3C Community Web Speech API to make the filling of the form voice controlled
- Linked the application to a back end to store configurations and pronunciation variations

## Projects

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### shreyOS (Operating System) [August 2019 - current]

- Developed an operating system from scratch in C++
- The operating system has two branches- a graphics branch and a command-based branch

### VirTalks [July '19 – current]

- React Native app to facilitate smooth communication between the Deaf and hearing
- VirTalks uses Google APIs for speech recognition and synthesis
- Also implemented a save-conversation feature using SQLite

### VChat (Chat Application) [Feb – April 2019] - [GitHub](#)

- Chat application developed in Flutter with a Firebase backend
- The app supports login/signup using email, creation of groups, and shows date and time for messages

### **Quiz-App** (Quiz Application) [Jan – March 2019] - [GitHub](#)

- React Native quiz app which is completely voice controlled
- Questions are read out and users can answer by speaking. Used Google APIs to implement speech recognition and synthesis

### **Unity3D Games** (Android) [2015 - 2018] – [Google Play](#)

- Created multiple Android games in the Unity3D game engine
- Implemented High scores and Achievements using the Google Play Services API
- Created a Virtual Reality game for Google Cardboard using the Google Cardboard plugin for Unity

### **C++ Libraries** [June 2017]

- C++ libraries developed using the command line as well as the Netbeans IDE
- Developed both static and dynamic linking libraries

## **Skills**

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**Operating Systems:** Ubuntu, Mint, Windows

**Languages/Frameworks:** C, C++, Java, JavaScript, C#, BASIC, React Native, Flutter, HTML, CSS, Bootstrap

**Tools:** Visual Studio, Visual Studio Code, Netbeans, Eclipse, Unity3D, IntelliJ, Git, Apache Tomcat, MySQL, Webmin

## **Education**

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- **Birla Institute of Technology and Science- KK Birla Goa Campus** (2017-2022\*)  
Master of Science in Physics, Bachelor of Engineering in Computer Science and Engineering  
Cumulative GPA: 7.37  
\*Expected Graduation Year
- **Dr Ambedkar College, Nagpur**, Maharashtra State Board, 2017  
Percentage: 86.92 %
- **Bhavan's BP Vidya Mandir, Nagpur**, Central Board of Secondary Education, 2015  
Percentage: 98.00 %

## **Extra Curricular Activities**

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- Vice-Captain, University badminton team (2019-current)
- Volunteer in Nirmaan (NGO) Goa Chapter (2017-2019)
- Participated in various inter-college badminton and carrom tournaments (2017-2019)
- Published 65 pieces (poetry and stories) in a regional magazine, Twinkle Star
- Selected for and attended various regional and national level writing workshops