

# Anish Sethi | Master's in Information Technology

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As a graduate student at Rensselaer Polytechnic Institute, I'm seeking an internship opportunity while utilizing software engineering skills, abilities and experiences gained through relevant education, projects and work experience.

## PROFESSIONAL EXPERIENCE

### Software Engineer at Cerner Healthcare Solutions Pvt. Ltd

July 2018 – June 2019

- **GDPR Data Auditing:** Built APIs to filter out patient sensitive data and implemented the auditing of multiple events-based actions to track users who view, edit or enter sensitive Patient Health Information in the form of Audit logs, ensuring data protection and making the RevenueCycle Application GDPR compliant.
- **Protocol Appointments:** Developed APIs to complete protocol appointments which allows the user to book and complete multiple and series appointments in the RevenueCycle application and Implemented Fuzzy Logic for completing these requests along with filtering results according to patient information searched in the Manual Schedule view.
- **UI Enhancements and Timers:** Completed multiple UI enhancements for the RevenueCycle application in Java which included updating legacy code to Java 8 standards and added timers to measure the time needed by the code blocks to run and the time taken by a feature when activated, thus identifying parts of the application which needed to be optimized. Fixed multiple defects and optimized legacy code to improve quality of existing code.
- Adding JUnit tests using Mockito for all new code to maintain code standards.

### Seasonal Internship at Cerner Healthcare Solutions Pvt. Ltd

Jan 2018 – June 2018

- **Impact Analysis Tool:** Build a Full-Stack web application using ReactJS and HTML, with the backend supported by NodeJS, Axios and a MySQL database which allowed existing and new Cerner associates to look up components of existing projects and gauge the impact of their code on related projects in terms of functionality, Unit tests and code affected.

### Summer Internship at TATA Technologies Ltd

June 2016 – July 2016

- Project on Oracle's Siebel CRM. Managed vehicle servicing and customer data from Honda 2- Wheelers to streamline the factory level work and billing services.

## ROLES AND RESPONSIBILITIES

### Teaching Assistant at Rensselaer Polytechnic Institute

Aug 2019 – May 2020

- Foundations of Computer Science (CSCI-2200) taught by Professor Malik Magdon-Ismail.
- This course introduces important mathematical and theoretical tools for computer science, including topics from logic, number theory, set theory, combinatorics, and probability theory, automata theory, the Turing Machine model of computation, and notions of computational complexity.
- **Responsibilities:** Tutoring, Recitation, holding weekly office hours and help hours.

## EDUCATION

### B-Tech in Computers and Communications

2018

Manipal Institute of Technology, Manipal  
India

### Master of Science in Information Technology GPA: 3.92 / 4.00

2020

Rensselaer Polytechnic Institute  
Troy, NY, USA

**Relevant Courses:** Database Systems, Data Science, Data Analytics, Data Structures and Algorithms, Fundamentals of Algorithm Analysis and Design, Pattern Recognition, Operating Systems and Mobile Development.

With Knowledge of Java, R, MySQL, Postgres, Python, HTML5, CSS 3, ReactJS, NodeJS and Android Studio.

## **WORKSHOPS ATTENDED**

- Workshop on Amazon Web Services certified by Amazon
- A certified course on Java Programming by Oracle
- Web seminar on Real Time Operating System and Embedded Systems by Mr. Girish Rao.
- Attended the International Green Symposium, Indore

## **ACADEMIC PROJECTS**

- **Prediction and Analysis of Global UN Data** **Fall 2019**  
Built a predictive model in R by analyzing global data to find a relation between education, economy and predict the expected GDP based on current enrollment in schools and growth in individual sectors of the economy. Also analyzed its effects on the agriculture, industrial and service sectors over the year.
- **Python Application for Tourists** **Fall 2019**  
Developed a Python based application supported by a PostgreSQL and XML database that allowed users new to a city to search for Restaurants, Vehicle Repair shops, Retail and liquor stores with valid licenses based on the proximity to their location or in the city. Also provided the ability to look for health code violations by restaurants, delivery trucks in the area, restaurants with lower violation, etc.
- **Designing the Authorization Form for the Registrar's office** **Fall 2019**  
Redesigned the RPI Authorization Form using Human Centered Design concepts and multiple feedback iterations from current students and faculty to improve the form design and efficiency. The new design was proposed to the registrar's office for implementation.
- **Loan Prediction** **Fall 2017**  
Built a predictive model for Loan Prediction using R. The project aims to analyze various weighted factors like Age, Income, No. of Dependents, etc. to calculate the risk factor associated with the Borrower and recommends whether the bank should sanction the loan.
- **Stock Management** **Spring 2016**  
Built a C++ based Stock Management application that allowed users to buy, sell and manage their stocks supported by a MySQL database. The application maintains records of Stocks brought, sold, current Stock price and the user account details.
- **FairShare** **Spring 2016**  
Developed an Android application that helped users split costs and track expenses on android studio. The application could add multiple friends using E-mail and/or contact number and sent reminders of the expense added to all concerned users. Developed using Android Studio having SQLite database.
- **Designing a Website** **2013**  
Designed a VBScript and CSS based HTML website in High School for a local handicraft store containing graphics created on Adobe Photoshop.

## **COMPETITIONS**

### **Microsoft Hackathon 2015** **October 2015**

- Worked on an app which would help users commute in a new city developed using Android App Studio

## **ACHIVEMENTS**

- Won the Dr. Surendra Singh Chandel Memorial Prize for Highest marks in English in XII Boards.
- Won the 2015, 2016 Revels Hockey Cup
- 3<sup>rd</sup> in Debating IPSE IT Fest (Dehradun)
- 5<sup>th</sup> in Website Developing IPSE IT Fest (Dehradun)

## **CO – CURRICULAR**

- Represented college in Hockey and participated in Riveria held in Vellore Institute of Technology, Vellore.
- Part of the school Quiz and Debating Team
- Vice President the Green Club
- Participated in various National Science Olympiad and Math Olympiad at school level