

# Rajdeep Chanamolu

📍 Hyderabad, India

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🌐 <https://github.com/rajdeepch10>

## Education

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2017/07 – 2019/04  
Melbourne, Australia

**Master of Information Technology**  
*Monash University*

2013/07 – 2017/04  
Chennai, India

**Bachelor of Engineering in Computer Science Engineering**  
*College of Engineering Guindy, Anna University*

**Relevant Courses:** Internet Application Development, Java, Database Design, Information Retrieval Systems, Project Management, System Validation and Testing, Artificial Intelligence, Data Structures, Algorithms.

## Skills

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ReactJS • HTML, CSS • JavaScript • Java • .NET MVC • SQL

## Professional Experience

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2021/11 – present  
Hyderabad, India

**Software Engineer**  
*RMSI Private Ltd.*

- Worked with ReactJS on a modular application, separating the various functionalities in the application and their respective User Interfaces into isolated components.
- Used Redux to maintain state of the web application.
- Worked with ArcGIS Javascript API(4.21) to visualize features on a map.
- Performed various types of queries using the functionalities provided by API(like Identify, Query, etc) and displayed results in required formats(popups, charts, tables and graphics on the map).
- Connected ReactJS Frontend with .NET backend. Made calls to server using XML requests, to let the server handle complex SQL queries and resource intensive operations used in the web application.

2017/04 – 2017/05  
Hyderabad, India

**Database Design and Maintenance - Intern**  
*Leo Meridian Infrastructure Projects and Hotels*

- Designed an improved relational database for Fixed Assets including the assets in the existing database.
- Filled up the new database with the data from the existing database through SQL scripts.
- Wrote scripts to check for data errors in the database periodically.

## Projects

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### Melbourne Life Style

*Used: ASP.NET, R, SQL Server, JavaScript - Completed in 2020*

- Investigated the problems faced by New Immigrants in Melbourne from various sources including studies published by government and news articles and tried to solve some of these issues through this project, by providing them with a way to find housing and community in Melbourne.
- Made use of Open Datasets provided by Melbourne government like Crime, Schools, Hospitals and leveraged Google Maps API to get more relevant data like Transport, Supermarkets. Grouped all the data based on Suburbs using R and Python.
- New Immigrants were given the option to rate the importance of Schools, Hospitals, Crime, Transport and Supermarkets and receive recommendations for areas to live in.
- Using Eventbrite API users are recommended family friendly events aimed at making users feel at home in Melbourne.

### Hospital Reviews

*Used: ASP.NET, JavaScript, SQL Server - Completed in 2019*

- Aims to and allows users to post their experience at the hospital they visited anonymously.
- Mapbox API is used to provide users with the functionality to autofill the address of the hospital and store the coordinates in the database.
- Google Maps API is used to take the coordinates from the database to display the hospital on a map to users that visit the posted review.
- JavaScript is used to moderate the reviews posted by users Client-side.

### Notes Search Engine

*Used: Java - Completed in 2018*

- Built a mini search engine that is capable of searching through a given set of .txt files. Aims to provide users the functionality to search through their notes and narrow down exactly which file and which line they are looking for.
- This Information Retrieval System indexes the given set of .txt files and stores them.
- Once the user inputs their query, this system uses the indexed file and provides user with the file name in which the query exists.

## Languages

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- English
- Telugu
- Hindi