

Manas Pande

CONTACT INFORMATION

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GitHub: <https://github.com/mpande1998>
Website: <http://manaspande.com>

EDUCATION

University of Waterloo, Waterloo, ON
Bachelor of Computer Science, Co-op

Class of 2021

PERSONAL PROJECTS

Indian Railways Application

Developer

January 2017

Developed an Android Application in Java that lets users get live information about their ticket, train status/schedule, seat availability, and more. The application is not official and has not been released in the app store. I created the application to learn about android development, REST APIs, and material design.

- Implemented OkHttp to make network requests to a REST API. Used Card Views to display the information, making the UI compact and more appealing.
- Implemented train name/number and station code autocomplete. Here, the application sends requests to a REST API containing the partial information the user has put in, and displays a list of trains/stations with matching information to choose from.
- Used material design principles to create a clean and simple UI.

Indian Blood Banks Application

Developer

December 2016

Created an Android Application in Java that lets users find blood banks by district or state. The application contains information for 2900+ blood banks, and provides address, contact information, and more. The application is not official and has not yet been released in the app store. I developed the application to learn about SQLite databases.

- Retrieved the blood banks information from the Indian Open Government Data Platform. Created an SQLite database using the information, and made a simple application that queries data from that SQLite database.
- Created spinners with state and district names for making queries. Since the number of districts was quite large (around 700), and manually inputting the district names to a string-array for the spinners seemed tedious, I wrote a function in Java that took the district names as csv and returned them as items in a string-array.
- Used material design principles to create a clean and simple UI.

Personal Website

Developer, manaspande.com

December 2016

Created a personal website to link to my GitHub, e-mail, and resume. Made the website responsive using CSS flexbox, and used FontAwesome for the icons.

PROGRAMMING EXPERIENCE

Languages: Java, Python, HTML, CSS, JavaScript, PHP, SQL, L^AT_EX, Racket
Libraries/Frameworks: jQuery, OkHttp, Volley, BootStrap
Concepts: Mobile UI/UX, REST APIs, OOP, JSON, Networking, Databases
Tools: Git, Android Studio
Data Technology: MySQL