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Personal Projects

Indian Railways Application

In Development

- *GitHub:* <https://goo.gl/Hjlr13>
 - Android application that lets users get live information about their ticket, train status, seat availability, and more.
 - Used OkHttp to make requests to a REST API, and worked with JSON server responses.
 - Implemented train name, number and station code auto-complete; the app sends requests to a REST API with the partial user input and displays matching results.
 - Adhered to the Material Design guidelines:
 - Used CoordinatorLayout, Material theme, and Roboto.
 - Applied custom animations – touch feedback, activity transitions.
 - See demo on Vimeo: <https://goo.gl/nMio4l>

Find Blood Banks India

December 2016

- *GitHub:* <https://goo.gl/L0l9Ki>
 - Android application that lets users find blood banks by state and district.
 - Contains data for 2900+ blood banks; provides address, contact information, and more.
 - Created an SQLite database with the information, and made an application that queries data from that database.
 - Used ExpandableRecyclerView to display the results, making the UI compact.
 - See demo on YouTube: <https://goo.gl/MNNNeq>

Personal Website

December 2016

- *GitHub:* <https://goo.gl/QRu6Tn>
 - Personal website in HTML, CSS, and Javascript with links to my GitHub, e-mail, and resume.
 - Made the website responsive using CSS Flexbox, and ensured that it is mobile-friendly.

Skills

Languages: Java, Python, HTML, CSS, JavaScript, Racket

Libraries/Frameworks: jQuery, OkHttp, ButterKnife, Volley, BootStrap

Technologies: Git, Android Studio, MySQL, L^AT_EX

Concepts: Mobile UI/UX, REST APIs, OOP, JSON, Networking, Databases

Education

- **University of Waterloo**
B.A.Sc., Computer Science, Co-op

Waterloo, ON
Class of 2021