

RAMASESHAN PARTHASARATHY

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EDUCATION

Rutgers University

B.S., Computer Science, Computer Engineering (double major)

Elective Coursework: Databases, Software Engineering, OS

New Brunswick

Expected Winter, 2018

EXPERIENCE

Indoor Localization

Undergraduate Research

New Brunswick

May 2017 - Present

- Designed an application to track mentors and connect them with students during hackathons.
- Integrated tracking chips to more accurately locate mentors.

PROJECTS

Chatarang Application

- Designed a web chat app from scratch using Spring MVC that integrates a MongoDB database.
- Application to be hosted live in the near future upon completion of UI.

SafeAlarm IoT Application

- Created an Android app that continually pings an Express server to notify users of house alarms.
- Developed a Python script to simulate alarm sounds by actively listening for ambient noise.

Hotel Reservation Application

- Developed a website that allows users to book hotel reservations using a MySQL cloud database.
- Used Google OAuth API server calls to simplify and authenticate user logins.

Malloc/Free Simulator

- Developed a simulation of C library calls Malloc and Free over a 5000-byte memory block.

AWARDS

HackRU Spring 2017

- Led team to place 4th out of 64 submissions at Rutgers' own hackathon for our SafeAlarm app.

Madhyama Purna (Diploma)

- Played tabla for over 7 years under the teaching of Dr. Pratik Devasthale of Plainsboro, NJ.
- Recieved a diploma in Tabla for examination conducted by Madhyam.

SKILLS

Languages	Java, MySQL, Python, C, MATLAB, HTML, CSS, JS
Frameworks	Android, Spring MVC
Tools	Linux, Git, Emacs, gdb, Atom, Android Studio

PERSONAL

Spoken Languages	English (fluent), Tamil (native)
Status	U.S. Citizen