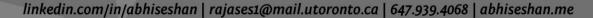
ABHINAV RAJASESHAN

ENGINEER | DEVELOPER | DESIGNER





SUMMARY

- Software Skills: C, C++, Java, Android and PHP
- **Founder and President of Skule Dev** Programming club at University of Toronto (Engineering). The Club aims to work on projects, expose members to development teams and solve problems in the world using software.
- Knowledge of Photoshop, After Effects, SolidWorks and other design software.

PROFESSIONAL EXPERIENCE

Lab Assistant, Electronics and Computing, Department of Chemistry, University of Toronto (September 2015 - Present)

• Building a **system** of **humidity** and **temperature sensors** to monitor and **detect unfavorable conditions** for performing experiments and **unsuitable conditions** for storage of sensitive equipment.

President, Skule Dev, University of Toronto (September 2015 - Present)

- Leading and mentoring multiple software design teams working on small to medium scale projects.
- Created a learning environment by organizing weekly seminars on different topics by inviting student speakers.

Software Engineer Intern, ETCON Middle East (Summer 2015)

- Developed and designed **Greeminder** A personal greeting scheduler. Schedules greetings on SMS, mail and twitter.
- Used PHP and SQL Server to create an online Mail Client, a Templates API and a database of users.
- App published to Play Store: https://play.google.com/store/apps/details?id=com.etconme.greeminder

Personal Projects (Available on: github.com/abhiseshan)

- Swipe10 Swipe10 is a trackpad driver fix for windows 10.
 - > Wrote algorithm to **detect multi-finger finger gestures** such as three finger swipes in all directions.
 - Fixes missing multi-touch gestures with synaptic trackpads in windows 10.
 - Developed using C#. Project URL: http://swipe10.xyz
- Homey Homey is an award winning home monitoring system powered by Intel Edison.
 - Used JS and NodeJS to collect and transfer data between the Edison, Android and Pebble devices.
 - > Implemented a burglar alarm, lights control and temperature monitor.
 - > Developed using Android, JS, NodeJS and AJAX. Project URL: https://goo.gl/COzgc3
- Sing it Now Sing it Now is a client-server combination which acts like a Karaoke machine.
 - Used datagrams to transfer live audio to local server. Server mixes background music and the received audio stream and produces an output. The server also displays lyrics on the host computer through our custom encoding format.
 - ➤ **Web backend** built to create and **manage live rooms**. IP address stored and assigned 4 digit code for easy connection.
 - > Developed using Android, Java, PHP and SQL. Project URL: https://github.com/Abhiseshan/Sing-it-now

EDUCATION

Bachelor of Applied Science and Engineering in Computer Engineering, University of Toronto (Expected 2018)

- Secured a 4.0 (A) in Programing (C Language).
- Human Powered Vehicle Design Team http://hpvdt.skule.ca/
 - Designed and manufactured steering system and handle bars for Vietza (2014 bike)
 - Designing App controlled electronics system for our 2015 bike.
- Course Projects: Al for connect 6 and a Capsule Dispenser in Verilog (with mechanical components).

Computer Science, Indian High School, Dubai (2014)

• Secured a **96% in Computer Science** (C++, SQL and Boolean algebra).

ACHIEVEMENTS

- Best use of Intel Homey Award UofTHacks, 2015 Awarded to Homey.
- Indian High School Supremo Award, 2014 Awarded to outstanding academic performance.

HOBBIES AND INTERESTS

- Created and operated http://osx6910p.blogspot.ca/ A blog on installing operating systems on computers.
- Design graphics for Toike Oike The Engineering Comedy newspaper at the University of Toronto.