# Shrukul Habib

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| **Date of Birth** | 15 June 1995 | **Mobile Phone** | +91 8904-8907-54 |
| **Nationality** | Indian | **Email** | shrukul99@gmail.com |

## Personal Profile

Undergraduate Computer Science engineering student pursuing the $3^{rd}$ year of a Bachelor's degree. Passionate about science, with strong technical, business, and interpersonal skills for working in a team. Highly motivated and eager to learn new technologies.

Special interests in Operating Systems, Kernel Development, Systems Programming, Open Source, Android.

## Objective

To contribute as a team member in a lively work environment that will enrich my skill set too.

## Education

**2013 -**
**Present**  **National Institute of Technology Karnataka, Surathkal**

B.Tech in Computer Science
CGPA - 8.53

**2011 - 2013**  **Chetan Pre-University Science College**

Pre University Science
Percentage - 94.3%

**2011**  **Lions English Medium School**

Class X
Percentage - 96.8%

## Experience

**May 2015 -**  IIT Madras, Chennai
**July 2015**  *Research Intern*

- Worked on initial draft of Project Vault, a micro-SD sized device which helps in Encrytpion. Tested it on emulator.

- Compiled simple Linux Kernel Modules for Native Hardware. Worked on reducing the Kernel size and reduced the size from 6.8 MB to 3.2 MB.

# Projects

- **Android OS Development**

  Compiled and ported Android Kitkat to my mobile. Used Open-Source Cyanogenmod Project for the same.

- **Natural Language Processing**

  Created a product Profiling chrome extension which used Natural Language Processing to rate products based on Text Reviews. Implemented in Python.

- **Computer Graphics**

  Implemented Video Synchronization proposed by Disney and made improvements in the algorithm for Low Quality Videos. Implemented in Python.

- **Technique for Order of Preference by Similarity To Ideal Solution (TOPSIS)**

  Collaborated with prof. B.R. Chandavarkar (CSE dept. NITK) and created a web based GUI for "multi-criteria decision making" software which gives an optimal solution to a specific problem having multiple criteria. Built using JAVA.

- **BuStop**

  BuStop is an Online Bus Ticket booking application created as part of Course Requirement. Created Android Application using Android Studio.

- **Internship Website**

  Created an Internship Portal as part of Course Requirement. Website built on PHP backend and uses HTML, CSS, Bootstrap and JavaScipt.

# Software Engineering Skills

- **Programming Languages**

  *C, C++*
  *JAVA*
  *PHP*
  *Python*

- **Web Development**

  *HTML5, CSS3, JavaScript*
  *AngularJS*

- **Operating Systems**

  *Windows*
  *Linux*
  *OS X*

- **Tools**

  *Android Studio*
  *LaTeX*
  *adb*

- **Miscellaneous**

  *Android Application Development*
  *Google App Engine* - Hosting Backend and API's on Google Servers
  *MySQL Server*
  *git* - version control system

## Interests

- Badminton, Football, Running, Cycling, Cricket

- Travelling

- Electronic Gadgets

## Extra Curriculars

- Executive Member at IEEE, NITK

- Participated in District-Level Badminton Tournament

- Won Scotland Yard 2013, NITK

## Languages

- English - Fluent

- Kannada - Native

- Hindi - Fluent