# PALLAB MAHMUD

## CONTACT

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**Github**  https://github.com/pmahmud

## EDUCATION

**2014 ~ present**  Master of Science in Computer and Information Science
**University of Oregon.** (CGPA: **3.87** out of 4.0)

**2007 - 2011**  Bachelor of Science in Computer Science and Engineering (BSCSE)
**North South University**, Dhaka. (CGPA: **3.52** out of 4.0)

## EXPERIENCES

**Sep 14 ~ present**  **Graduate Teaching Fellow** (Web developer),
Innovation and Partnership Services**, University of Oregon**
**Responsibilities**:
- Develop web systems for Innovation Partnership Services
- Design UI and UX for the portals

**Dec 2011- Aug 2014**  **Senior Software Engineer**, Samsung R&D Institute Bangladesh
Sub-team lead, System BSP Team, Mobile Lab-2
**Responsibilities**:
- Design and develop tools to facilitate debugging process of Android Touch Screen Panel Driver, UI & System Framework.
- Research on Android System- Board Supported Packages, TSP, Build system optimization
- Debugging: UI, BSP, Bootloader, TSP, Build System, Kernel Panic
- Conduct workshops, design training for new joiners in the company
- Task division and distribution among team members

## INTERESTING PROJECTS

**[University of Oregon]**
**November 2014**  **Auditory ToDO app – Scenario Based Design Project**
- Auditory todo list application with usability evaluation data
- Implemented in Python
- Github: https://github.com/pmahmud/audio2do

**September 2014**  **University of Oregon License Management System**
- A web portal for managing UO licenses with e-commerce support
- A full-stack application written in Javascript
- An on-going project for Innovation & Partnership Services

**[Samsung R&D Institute Bangladesh]**
**February 2012**  **ADA - Android Dumpstate Analyzer**
- Analyses android dumpstate (text log) file

· Graphical and Tabular representation of log data
· Analyzer:  Power, Interrupt, Process, Wakelock, Alarm Analyzer


**April 2012**          **Android LIVE**
· Extract real-time System Information from the connected device
· Real time data visualization:  User Input Events Monitor, CPU Frequency,
                                                     Memory Usage, Wakelock, System Call Trace


**[North South University]**
**Summer 2011**          **Face Recognition System, -** [CSE 499 final year thesis]
                              Performance analysis of different algorithm, implemented in Matlab
**Spring 2011**          **Handwriting detection-** implemented in Matlab [CSE448 **Neural Networks**]
**Summer 2010**          **Real Time OCR** [CSE 470 Theory of Fuzzy Systems]
                              Real time OCR for Bangla characters using **Fuzzy Logic** implemented in JAVA
**Fall 2009**          **Autonomous Robot:** Using ATmega8 Microcontroller [Digital Electronics 413]


## Technical Skill
**Programming**          JavaScript, MEAN stack, C, C++, JAVA, Python, PHP, Bash scripting
**Software**          Webstorm, Submlime, Matlab, Visual Studio, Netbeans, Eclipse, UNIX Tools
**Hardware**          Atmel ATmega Microcontroller, Arduino, Raspberry Pi, PC interfacing


## Awards/ Achievements
**Best Presenter**          Seminar on Android Anatomy, Samsung
**Iconic Team-Aug, 12**   Debugging software developments, Samsung **(ADA, AndroidLIVE)**
**Iconic Team-July, 13**   Android local build duration reduction, Samsung


## REFERENCES
available upon request