

# Muhammad Bilal Latif

[bilal.latif18@gmail.com](mailto:bilal.latif18@gmail.com) | <https://www.linkedin.com/in/bilallatif> || 03333649556

## Education

### NATIONAL UNIVERSITY OF COMPUTER AND EMERGING SCIENCES (FAST)

*Bachelors in Computer Science June 2016*

- CGPA: 3.32

## Professional Experience

- Worked as an internee in a development team of MEAN stack at PI labs inc

## Projects

### BUDDY (Alternate to SLATE-NUCES)

**Technologies Used:** PHP, JAVA Script, HTML, CSS, MySql

An alternate to slate for the lecture slides. (Developed for The Web Masters)

### RATING WEBSITE OF TEACHERS

**Technologies Used:** MEAN Stack

A web app to rate the teachers of FAST NUCES to help senior faculty to take necessary actions for or against teachers.

### ANDROID APPLICATION FOR PROCOM (Mobile Computing)

**Technologies Used:** Android, Java, XML, JSON, MySql, SQLite,

A mobile app to facilitate contestants of PROCOM (one of the biggest event of Karachi FAST) by notifying them about user specified competitions of the event and a query box to chat with admin.

### Social Network (OOAD)

**Technologies Used:** HTML, CSS, PHP, JAVA-Script, AJAX, MySQL, Microsoft Visio

Mini Social Network

**My Part:** User authentication, Profile Management, Friend's Search and Privacy

### ONLINE ELECTRONICS STORE (Database, Web Programming, Human Computer Interaction)

**Technologies Used:** HTML, CSS, PHP, JAVA-Script, AJAX, MySQL, Microsoft Visio

*An online website for electronic gadgets, ranging over new, old and refurbished categories along with bidding on a particular antique item.*

### TYPE 2 HYPERVISOR (Operating Systems)

**Technologies Used:** C-language, Numerous System calls

*Partial type 2 Hypervisor with memory management, Directory Management, Message Handling, Along with support for multiple VMs*

### TREE ORGANIZER (Data Structures)

**Technologies Used:** Java, swing

*A tree converter which converts any n-ary tree into binary, binary search, min heap, max heap or AVL depending on the user's command*

### Dress Today (Computer Programming)

**Technologies Used:** C++, QT Framework

A desktop application which will help user to buy dresses by showing all combinations to the user. And also according to pricing.

### DLX Scoreboard (Computer Architecture):

**Technologies Used:** C++

Scoreboard simulator.

### SCHEDULER FOR HETEROGENOUS CUDA ENVIRONMENT (Final Year Project)

**Technologies Used:** CUDA, MPI, SLURM, C-language, Python

*An intelligent scheduler embedded in the SLURM workload Manager to handle CUDA Programs across a heterogeneous CUDA Cluster*

- Supervisor: Prof. Dr. Hasina Khatoon

## Extra Curricular Activities

- Debugging Head Procom' 16
- Developer for THE WEB MASTERS
- Programming Mentor for Code Splash 2014 ACM-NUCES
- Developer for ACM-NUCES

## Academic Skills

- **Languages:** C++, C, JAVA, PHP, HTML, CSS, MySQL, JAVA SCRIPT including Ajax, JQuery, Nodejs, AngularJs and MongoDB, Dot Net with C# (Familiar),CUDA (Familiar), SQLite, Android.
- **Frameworks:** CodeIgniter, Cordova, Phonon