

MUHAMMAD FAIZAN UDDIN

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OBJECTIVE

Pursuing a Software Engineer position, where I can fully utilize my knowledge and technical skills for the growth of organization with an opportunity for advancement and learning new technologies.

EDUCATION

August 2012 – May 2016	Bachelor of Science (Computer Science) National University of Computer and Emerging Sciences, FAST, Karachi (CGPA: 2.91)
August 2010 – May 2012	Sindh Board of Intermediate Education (Pre Engineering) Aga Khan Higher Secondary School, Karachi.
August 2008 – May 2010	Sindh Board of Secondary Education (Science) Bai Virbaiji Soparivala Parsi High School, Karachi.

PROFESSIONAL EXPERIENCE

June 2015 – July 2015	Summer Intern (MEAN Stack) Pi Labs, inc. Karachi, Pakistan <i>(a Pakistan/California based Software House)</i> Worked as an Intern in Software Development Team, meanwhile learning various JavaScript frameworks (ReactJS, Flux), Heroku Toolbelt & version controlling technologies (GitHub). The most important learning element was an exposure to industry projects.
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TECHNICAL SKILLS

- **Programming Languages:** C, C++, Java, Assembly Language
- **Database Technologies:** Oracle, SQL, PL/SQL
- **Web Technology Stacks:** MEAN Stack, LAMP Stack
- **Web Frontend Technologies:** HTML5, CSS3, Ajax, jQuery, Bootstrap, Material Design
- **Web Frameworks:** CodeIgniter, ReactJS (Beginner)
- **Mobile Application Development:** Android (Beginner)
- **Cross Platform Mobile Application Development:** Apache Cordova (Phonegap), Phono
- **Version Controlling:** GitHub
- **Data Analytics:** R (Beginner), Pentaho (Beginner)

ELECTIVE COURSES

- Information Systems Security
- Data Mining
- Neural Networks
- Information Retrieval & Text Mining
- Data Warehousing
- Design Patterns

FINAL YEAR PROJECT

Towards a Soft Computing Approach to Document Clustering

Research in the field of machine learning, focusing on the problem of text document clustering. Implementation includes kmeans algorithm with hybrid approach using Genetic Algorithm along with Harmony Search. The algorithm exploits the results of both algorithms in order to attain the best clustering. Programmed in Java.

ACADEMIC PROJECTS

- **Word Cloud**

Word Cloud presents important words in text by plotting them. Twitter tweets & Urdu news is used as Dataset for analysis. Programmed in R

- **Superstore Sales Analysis**

Business analysis system for Canada based super store using Pentaho, performing data integration and reporting services, to provide graphical analysis for end user.

- **Al Sadaqa (www.new.alsadaqa.org)**

Client based website for extending & enhancing features, using PHP/MySQL.

- **TheUpdates (www.theupdates.pk)**

Client based cross platform mobile application using Apache Cordova. The RESTful API was implemented using CodeIgniter and hosted on AWS Elastic Beanstalk.

- **Voice Search Engine (www.hci.hostei.com)**

Voice based search engine, enabling search on Google Books & Maps, using HTML5 Speech API & Google API.

- **Story Corner(www.storycorner.herokuapp.com)**

Blogging Website developed using MEAN Stack & Bootstrap.

- **Scoreboard Simulation in DLX Processor**

Simulation of Score boarding in DLX Architecture. Programmed in C++ with Graphical User Interface.

- **Peer to Peer Network**

Peer to Peer audio chat through UDP Sockets & texting application was made using TCP Sockets. Programmed on Android API Level 19.

- **Payroll Management System**

Automated salary system for calculating monthly salaries, tax and deductions of employees. Programmed in Java using Oracle IJg.

- **Buddy (www.buddy.khi.nu.edu.pk)**

Backup Portal to store semester resources using PHP/MySQL.

- **Social Network (www.socialnetwork.comule.com)**

Twitter inspired web based social network promoting tourism and e-commerce following Model View Controller (MVC) approach, using CodeIgniter Framework.

- **Online Electronic Store**

Online e-commerce shopping website for electronic items, having three categories new, refurbished and old. Programmed in PHP/MySQL.

- **Multicore Processor Scheduling (Linux)**

Implementation of Decay Usage Scheduling Algorithm using Multilevel Feedback Queries, handling aging between the queries.

- **Image Crypto Hasher**

Encryption/Decryption of Images, using self made algorithm, taking a key as Input, programmed in Java.

EXTRACURRICULAR ACTIVITIES

March 2016 – Present	Vice President - The Webmasters (FAST-NUCES)
Nov 2014 – Oct 2015	Member of Development Team -The Webmasters (FAST-NUCES)
April 2016	Head, Mobile Application Development Competition -Procom.NET 2016
April 2015	Deputy Head, Speed Programming Competition -Procom.NET 2015
April 2013	Participant Relations Team Member - Procom.NET 2013
March 2013	Participant Relations Team Member - TenPearls Developers Day 2013

REFERENCES

Available upon request