

MUHAMMAD MOHSIN ILYAS

OBJECTIVE

BS Computer Science graduate looking to work in an organization at a reputable position where I can apply my development and excellent problem-solving skills to benefit the growth of organization, and also where I can learn new skill set and expand my knowledge and capabilities.

EDUCATION

BS Computer Science August'2012 - May'2016	FAST-NUCES. CGPA: 3.12
A'Level Pre-Engineering August'2011 – May'2012	BRITISH COUNCIL.
O'level Science August'2008 – May'2010	THE METROPOLITAN ACADEMY.

TOOLS & TECHNOLOGIES

Programming Languages	C, C++, Java, HTML, CSS, PHP, AJAX, Node.js, Express.js, Bootstrap, JavaScript, SQL.
Development Frameworks	LAMP Stack, MEAN Stack, JAVA.
Development Tools	Microsoft Visual Studio 2012, Dev C++, NetBeans IDE, WebStorm, Dreamweaver, MATLAB.
Modelling Tools	Microsoft Visio, DB Designer, Concept Draw, Star UML, Cisco Packet Tracer.
DBMS	Oracle 11g, MySQL, MongoDB.
Web Service	RESTful – POSTMAN, Amazon EC2.
Analytical Software	SPSS.
Software Methodologies	Agile (Scrum), Waterfall, Incremental-Iterative.
Operating Systems	Windows XP, Windows 7, Windows 8 & LINUX (Ubuntu).

ACADEMIC PROJECTS & RESEARCH WORK

- IDEA BANK:** Final Year Project, which is being developed. The idea is inspired by the incubation process at the incubation centers, and the development framework used is **MEAN Stack**.
- FLORESAUNT:** An online restaurant reservation, which was developed using **LAMP Stack** with the help of **Bootstrap**, and **Fabric.js**.
- OPTICS HOUSE DATABASE SYSTEM:** A real client database system which was developed using **JAVA** via **JFrame** and **MySQL**.
- RESTAURANT AUTOMATION SYSTEM:** An automated system, which consisted of a Desktop and Web Application. Which was developed using **JAVA** and **LAMP Stack**.



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5. **KAPRAY:** An online shopping portal developed using **LAMP Stack**.
6. **PRIORITY QUEUE:** Implementation of priority queue in **JAVA** using **JFRAME**.
7. **MIPS R4000:** Simulation of MIPS R4000 architecture in **JAVA** via **JFRAME**.
8. **STICK RUN:** Single Player game developed in **C++** using **Allegro**.
9. **RESEARCH ON FOOD PREFERENCES:** Food preferences on the basis of taste and price; a **statistical** analysis.
10. **RESEARCH ON REQUIREMENTS TRACEABILITY:** Steps involved in Improving Product Quality through Requirements Traceability.

ELECTIVE COURSES

• Data Warehousing	• Web Programming
• Introduction to Cloud Computing	• Requirement Engineering
• Bio-Informatics	• Business Ethics
• Design Patterns	• Principle of Marketing
• Operations Research	• Fundamentals of Management
• Technical and Business Writing	

FIELD OF INTERESTS

• Software Development
• Software Engineering
• Web Development
• Database
• Information Technology

ACTIVITIES & INTERESTS

• PROCOM' 14 – Junior Coordinator for Participants Relations.
• Karachi Youth to Business Forum' 14 (IBA) – Brand Ambassador.
• Playing Cricket, Badminton.
• Gaming (Counter Strike).
• Social Networking on Facebook.

REFERENCES - Available on Request.