

Junaid Ahmed

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EDUCATION**2016-2018 Lahore University Of Management Sciences****Lahore**

Masters in Computer Science

- Current CGPA 3.08
- A's in Network Security and Advance Operating Systems

2010-2014 National University Of Computer and Emerging Sciences**Lahore**

Bachelor in Computer Science

- CGPA 3.1
- A's in Data Structure, OOAD, Software Engineering, Web Programing, FYP-II, Calculus I/II Physics, Linear Algebra and others

2008-2010 Divisional Public School & Inter College - Intermediate**Sahiwal**

Pre-Engineering

- 910/1100 (A+)

2006-2008 Divisional Public School & Inter College - Matriculation**Sahiwal**

Science Group with Computer Science

- 723/850 (A+)

EXPERIENCE**2020-present Lecturer in University of Sahiwal (BS-18)**

- Currently teaching various Computer Science courses

2018-2020 Lecturer in Computer Science (BS-17)

- Posted at Govt. Degree College Chichawatni

2017-2018 Research Assistant at Sysnet

- Worked on efficient state checkpointing solutions during MS thesis at Lums

2014-2016 Software Engineer at Trg

- Worked in Isky a company of Trg as a developer
- Job responsibility included development of new modules, refactoring of existing applications and maintenance of portal
- Major web technologies used are Asp.Net Web Forms, MVC, WebAPI used with C#

TECHNICAL SKILLS**Programming Languages:** Java, C#, C++, C**Operating Systems:** Mac OS X, Windows, Linux**Database Management Systems:** MySql, SQL Server**Web Technologies:** Asp.Net WebForms, ASP.NET MVC 5, ASP.NET Web API, Java Servlets, JSP, Java Script, JQuery, HTML 5**Networking:** Socket Programming, Shared Memory Segments

PROJECTS

Refactoring of existing Web Survey Application

- Applied various refactoring and design patterns
- Significantly reduced the code size and made it much more modular
- Language: C#

Survey Tool

- Web Application capable of building custom survey with many different question types using drag and drop simple user interface
- Responsibilities: Worked rigorously on bug fixing, afterwards integrated it the current system by creating a web service which catered for compatibility issues
- Technologies: MVC 5, Code First, JQuery, SQL Server

Maintenance of Clearview

- Web application used by Honda Canada and Honda North America for sales and service
- Worked on various reports and other new features
- Technologies: Web Forms, Web API, High Charts, JQuery, SQL Server

POST GRADUATE PROJECT

MS Thesis

- Orchestrating Variables in Main Memory for Efficient State Checkpointing

Reaching Definition Analysis with LLVM

- Class Project in Program Analysis Course
- Implemented a dataflow analysis framework that performs analysis based on flow functions and Lattice Model

UNDERGRADUATE PROJECTS

Self-Playing Game of Chess (Artificial Intelligence)

- Min-Max algorithm with alpha-beta pruning was used
- Language: Java

Final Year Project

- Sign language interpreter
- Mainly based on Computer Vision and Machine Learning
- Motion Detection for hand extraction
- Continuous Hidden Markov Model(HMM) and Ada Boosting(with Haar-Like Features) used for training of hand detection and hand shape detection
- Discrete HMM used for Sign language interpretation
- Tool: Matlab

SKILLS/OTHER INTERESTS

- Urdu Literature and Poetry of Allama Iqbal
- Islamic History
- Badminton, Cricket