

# IBRAR AHMED

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## EDUCATION

NATIONAL UNIVERSITY OF COMPUTER & EMERGING SCIENCES (FAST-NU), LAHORE

FAST SCHOOL OF COMPUTER SCIENCE

Bachelor of Science in Computer Science

## EXPERIENCE

Freelancer at Upwork

- Worked as a web developer at Upwork with 2 of my friends at university. I had a whale of a time learning new frameworks and programming languages and building client oriented software. This experience boosted both my technical and communication skills.

Trainee at Uworx:

- Worked as a trainee at Uworx for 5 months. One of the biggest retail solution provider in the UK. I had hands on experience of self checkout Shopping personality that runs on Thousands of tills for the Onestop, Marks & spencer and other giant retail stores.

Full Stack Developer at Xit Firm:

- I worked as a full stack developer at Xit firm for 2.5 years and i had served alot of small to large scale businesses with my app development and web development skills. I collaborated efficiently with my team mates and enjoyed pulling out top notch digital solution for our clients.

## PROJECTS

### One health Port:

- ☐ I have worked as a full stack developer on OHP. OnehealthPort operates the Provider Data Service as one element of its administrative simplification work for Washington State. It is a statewide solution for gathering all the information that health plans and hospitals request from providers in the course of credentialing. Front end technology was built on Angular and the backend was catered by c# .Net.

### Northern Trust:

- ☐ I have worked as a front end React Developer on Northern Trust Bank. Northern Trust Corporation is a financial services company headquartered in Chicago that caters to corporations, institutional investors, and ultra high net worth individuals. Northern Trust is one of the largest banking institutions in the United States and one of the oldest banks in continuous operation.

### Watermarking of chest CT scan medical images

Md5 algorithm was used to hash the image and patient info was placed into the LSBS of the image. This was to ensure the content authentication of such important images to be transferred without any fake/distortion in the image.

### Restaurant Recommendation System

- This was actually a website implementation inspired by the idea of ESR page on facebook. This had a detailed object oriented implementation of managing restaurant, people giving reviews about the restaurant and its taste. People searching for restaurants could view its rating based on other people's view.

### IMDB Website (DATABASE)

- A famous clone of the IMDB website. Databases were managed for movies and their actors and ratings were also handled through MySQL and C# on the backend.

### Noise Removal from Images

- A GUI on Matlab was built through guide and it removed the different noises in an image (salt and pepper ,uniform noise etc). All these noise were removed keeping the original content of the image intact.

#### **Tournament Management System (Software Engineering)**

- Software engineering, Project Management and good programming practices principles were completed implemented in our tournament Management system. Different Sports (cricket, football, basketball) players and matches were managed through this desktop application. Furthermore the record of every player was also maintained in the databases and displayed when required.

#### **Online Attendance System (Artificial Intelligence)**

- Due to the risks of interaction in the pandemic, we shifted the attendance system to be completely non physical. OpenCV was used to identify the employee/student and was then confirmed and mentioned that the employee is physically present.

#### **Modern Alternatives of Inheritance (FYP)**

- Inheritance being the OOP paradigm main revolution, we researched for the better alternatives that can coder and the system in terms of less code management, duplication of the code. Delegates and traits were our prior research area topics to be discovered. We are working on the modules of an application QT. Qt is a widget toolkit for creating graphical user interfaces as well as cross-platform applications that run on various software . We are implementing some of its module in delegates and traits to compare the efficiency between inheritance way of coding and its alternatives.

## **SKILLS**

- Time Management
- Effective Communication
- **Programming Languages :** Javascript,C++, C, Java, Python, Matlab.
- **Frameworks/Libraries :** React, Angular , Spring Boot, Guide(Matlab)
- **Version Control System :** GitHub,Mercurial

## **INTERESTS**

- Web Development
- App Development
- Artificial Intelligence
- Image Processing