

# Muhammad Ahsan Ali

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## Experience

### Softaims

July, 2021 - present

### Full Stack (ROR) Developer

Developed project's interactive User Interface using HTML, CSS, Bootstrap, UIKit and Tailwind CSS.  
Implemented a queue system that can handle up to 10m daily jobs using Redis and Sidekiq  
Managed the code using the View-Model approach which drastically simplifies views part of the project  
Implemented unit testing using Capybara gem, Factory bot gem and Rspec Gem  
Implemented task management module using rails hotwire turbo.

### FreeLancer

Nov, 2019 - 2021

### Full Stack (MERN) Developer

I have done a lot of minor and major project both in group and also in separation i have done web scraping, automation, website creation, desktop application creation as a freelance

## Projects

### Stads

August 2021 - to date

Softaims Project (in progress)

### Sports advertisement marketplace place

**Tools:** Ruby on Rails, PostgreSQL, Stimulus, SendGrid Redis and Sidekiq Heroku and Aws .  
Managed the code using the View-Model approach which drastically simplifies views part of the project.  
Implemented an efficient cache access mechanism on top of rails to achieve 8 times higher throughput.  
Managed the code using the View-Model approach  
Designed environment pipeline on Heroku and AWS and Implementation of CircleCI for code testing  
Implemented unit testing using Capybara gem and Rspec gem and test coverage up to 90

### TeamRunner

Jan 2022 - March 2022

Softaims (Completed)

### Event Experience Platform

**Tools:** Ruby on Rails, PostgreSQL, Heroku  
Upgraded its rails version from 2.0 to 6.0 version  
Designed environment pipeline on Heroku and AWS  
Implemented unit testing using Capybara gem and Factory bot gem  
Write deployment script that automatically run all the rake task, migration and other service once the deployment is done

### Behind the Wall Detection

Sep 2020 - Apr 2021

Final Year Project

### Human Being Detection Behind any obstacle using Radio Waves

**Tools:** Python, OpenCV, Signals Machine learning and IOT.  
Developed an IOT based device which send and receive the radio frequency using raspberry pi ways which pass through the obstacle and reflect back once it hit the human being  
Caught that reflect waves converted it into the heat map and then converted into the image  
Train these image using CNN algorithm

### Cv Visualization APP

January, 2019

Freelance Project

### Extract Data From CV

**Tools:** Python, Nlp, PyDocx, Tkinter.  
Write a script that extracted the data form Docx.  
Created a Landing page that display the extracted data,  
Add the extracted data into desire style of Cv template

## Education

### BCS (Hons)

2021, FAST NUCES.

### Specialization in Computer Science

Courses included Databases, Programming, Algorithms, Operating Systems, Artificial Intelligence, Machine Learning, Digital Image Processing, Computing and Distributive System with various Management and Mathematical electives.

### E.Sc.

2016, Punjab Group of College

### Pre Engineering

Courses included Physics, Chemistry and Mathematics.

## Technical Skills

⇒ Programming Languages

Skilled and experienced in Full Stack JavaScript, Python, Ruby, Java and C/C++.

⇒ Databases

Skilled in designing and implementing databases in MySQL, PostgreSQL, and SQL Server

⇒ Frameworks

Experienced in Ruby on Rails, Stimulus.js, Hotwire-Turbo, Bootstrap, Tailwind, and UIKIT

⇒ Version Control

Well versed in various version control systems like Git.

⇒ Other:

RuboCop, RSpec, Redis, Sidekiq, Heroku, AWS, CircleCI, Machine Learning, Parser.js, Electron.js, JavaFx

⇒ Integration:

Stripe, Twilio, SendGrid, Amazon Web Services

## Achievements

### Silver Medalist

2017-2021

### FAST NUCES.

C-GPA: 3.24

### Microsoft Imagine cup

2019-2020

### Microsoft Imagine cup

Selection of project at National level