

# MD ASIF IQBAL

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## Education

### Indian Institute of Technology, Kharagpur

Bachelor of Technology in Chemical Engineering

Aug. 2016 – April 2020

CGPA – 8.87

### Gulmohur High School, Jamshedpur

Indian School Certificate (ISC) Examination, Class 12

April. 2014 – May 2015

Percentage – 96

### Gulmohur High School, Jamshedpur

Indian Certificate of Secondary Education (ICSE) Examination, Class 10

April. 2012 – May 2013

Percentage – 95.8

## Summary

Software engineer with a bachelor's degree from IIT Kharagpur and around 2 years of background in creating and executing innovative software solutions to enhance business productivity. Experienced in all aspects of software development life cycle and end to end project management, from concept through to development and delivery

## Experience

### Ocrolus Inc

Software Engineer

September 2022 – Present

Gurugram, Haryana

- Extracted a component from legacy monolith application into a Flask based micro-service to handle bank statement
- Improved internal ops-tool by adding new feature to incorporate new bank flow using Java Spring framework
- Reduced tech-debt in various Java and python services by improving efficiency and fixing critical bugs

### Amplus Solar by Petronas Group

Senior Associate Software Engineer

July 2020 – August 2022

Gurugram, Haryana

- Developed a custom CRM with access control and user management and integration with multiple 3rd party services
- Built a highly available, fault-tolerant service using Flask, Task Queue, and Docker; deployed on a server-less platform
- Utilized the MQTT protocol and Pub/Sub to establish infrastructure for ingesting IoT device data at 20 Hz frequency
- Developed the data ETL pipeline on Google Dataflow and stored in a data warehouse - BigQuery

### Amplus Solar by Petronas Group

Full-Stack Developer Intern

May 2019 – July 2019

Gurugram, Haryana

- Maintained Ionic based application used by 500+ employees; released 3 stable versions on both IOS and Android
- Integrated Ionic features like image picker and file transfer for upload of documents, Firebase plugin for notifications
- Revamped Travelex app back-end using Firebase, S3 AWS, MySQL, and Laravel back-end integration's with SendGrid
- Documented technical factors such as APIs, ER Diagram, and App flow using tools - Draw.IO, Postman, SqlDBM

### Twango Social Network Pvt Ltd

Backend Developer Intern

Oct 2018 – April 2019

New Delhi, Delhi

- Collaborated with Front-end Team to develop CRUD APIs on Laravel for the B2C website OTP based authentication
- Engineered a lead retrieval system to fetch 5000+ leads from Facebook Ads using curl, Facebook Graph API
- Automated a feature to generate daily revenue reports and export them into PDF and Excel using PHP libraries

## Projects

### Energy Disaggregation, Amplus Solar | MQTT, Pub/Sub, Dataflow, BigQuery

- Architected the infrastructure for data ingestion pipeline using Mosquitto Broker, Google Pub/Sub and Google Dataflow
- Computed the ML model results by encapsulating it in a Flask service deployed on Google App Engine

### Yelow Pay, Yelow Club (link) | Python, Django

- Created a BNPL product which offers credits to the customer, basis CIBIL score, for both online and offline order
- Implemented a single tap purchase functionality in the app with a pay later option and direct payment using UPI

### CLI Game, Personal (link) | Python

- Coded an extension of the classic Rock Paper and Scissor game with two additional entities, Lizard and Spock
- Utilized software design principles to create the game logic; code was reviewed on the ArjanCodes YouTube channel

## Technical Skills

**Languages:** Python, Java, PHP, HTML/CSS, JavaScript, SQL, MongoDB

**Developer Tools:** VS Code, Google Cloud Platform

**Technologies/Frameworks:** Linux, GitHub, Docker, Kubernetes, Django, Flask, NodeJS