

Syed Mohammad Ibrahim

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EXPERIENCE

Poshmark

Chennai, India

Senior Software Engineer - I

Apr. 2021 – Aug. 2021

- Worked on building the infrastructure for the Milestone project with the help of utilities like RabbitMQ, MongoDB, and Sidekiq.
- Branch.io deep linking and universal linking enhancements.
- Worked on upgrading static code linter - Rubocop.

Software Engineer - II

Jul. 2020 – Mar. 2021

- Migrated AppsFlyer SDK triggered tracking events to GTM based tracking events on iOS.
- Implemented OAuth 1.0 and OAuth 2.0 protocols for connecting external services like Pinterest, Twitter, Tumblr, etc.
- Improved the effectiveness of RSpec test cases by migrating to the new "expect" syntax from the "should" syntax.
- Worked on implementing the shipping promo feature for guest checkout flow.
- Revamped the whole external partner's infra for readability and removed redundancy for ease of understanding.
- Worked on migration of the Share Settings page on the web from Rails to Vue.js and respective APIs.
- Participated in Game Hackathon organized by Poshmark where the goal was to create a small game with a team.

Software Engineer - I

Nov. 2018 – Jul. 2020

- Migrated the code for Ad Partners tracking from Server to Google Tag Manager (GTM).
- Enhanced the Posh Influencer and Posh Ambassador programs along with the usage of Cron Jobs.
- Built the infrastructure for generating Image Sitemaps for indexing.
- Migrated the usage from bit.ly generator service to branch.io service for generating short URLs.
- Participated in the Hackathon organized by Poshmark to work as a team and built a Chatbot using Dialogflow and Crickinfo API.
- Participated in the Hacktoberfest 2k18 and created multiple open-source pull request changes to different libraries.

Tata Consultancy Services

Chennai, India

Assistant System Engineer

Jul. 2018 – Nov. 2018

- Part of TCS Interactive, a research-based unit.
- Developed search functionality for the client's enterprise iOS App.
- Hosted a tech session for the team on Django as a development framework.
- Upgraded the iOS App with new models and designs as per the client's requirement using Swift 4.
- Built the native iOS unit testing framework to perform Test Driven Development (TDD).

Assistant System Engineer - Trainee

Aug. 2017 – Jul. 2018

- Trainee in Automation and Manual testing.
- Worked on various kinds of test suites like selenium, HP Quick Test Pro, etc.
- Worked on Front-end development as the final project for the training.
- Learned Swift 4 as part of the iOS development project that I was assigned to.

PROJECTS

Laughter Challenge | HTML, CSS, Bootstrap, Javascript



- At hackathon named Game-Jam organized by Poshmark, we as a team created a Try Not to Laugh Challenge where the player will be presented with funny videos and will be tempted to laugh.
- Created a webpage which renders a video section and a user camera section.
- A miniature machine learning library is used for identifying the player's smile and scoring them accordingly.

Cricket Chatbot | Dialogflow, Crickinfo API

- A cricket chatbot designed during the Poshmark Hackathon.
- Used the Dialogflow API integration with Slack and Crickinfo API to fetch real time updates.

- User has to ask questions in the form of Slack messages about cricket and the chatbot will answer based on the API response.

Blowfish Cipher | *Python*



- Minor project on analysis and implementation of blowfish cipher for password encryption.
- A terminal based program that accepts a password as input and saves it as a cipher text in a file.

RSA Cryptographic Algorithm | *Python*



- RSA Algorithm for message encryption using block cipher.
- Accepts a plain text message via terminal or file as input and outputs an encrypted message.

HONORS AND AWARDS

Star Performer: Star performer at TCS for valuable contribution to the project.

Academics:

- Earned Elite Certificate in Introduction to Programming in C from IIT Kanpur.
- Earned Elite Certificate in Programming, Data Structures and Algorithms from IIT Madras.
- Won Clash of Codies organized by SISTech, Bhopal.
- Achieved 177th Position in TCS Code Vita 2k16 at National Level.

TECHNICAL SKILLS

Languages: Ruby, Python, C/C++, Swift

Frameworks: Ruby on Rails, Node.js, Cucumber, RSpec, XCode Test Suite

Databases: MongoDB, Amazon Redshift

Developer Tools: Git, Docker, Vagrant, Google Tag Manager, Jenkins

LEADERSHIP AND ACTIVITIES

Rotaract Club of East Kolkata

Kolkata, India

Participant

July 2020

This is an NPO that works for the welfare of society and participates in social activities like educating the underprivileged, raising funds, etc. I participated in one such activity where they were raising funds for the needy by organizing an excel workshop for nominal charge.

RAAHAT, Be The Change Maker

Bhopal, India

Volunteer

Sep. 2013 – Apr. 2014

Volunteered for various events related to child welfare and helping out senior citizens at Old Age homes.

EDUCATION

Master of Engineering in Cybersecurity

University of Maryland - College Park, A. James Clark School of Engineering

Aug. 2021 – Aug. 2023 (Exp.)

Bachelor of Engineering in Computer Science

7.54/10.0

RGPV University, Lakshmi Narain College of Technology and Science

Jun. 2013 – May 2017

Higher Secondary Education

78.2%

St. Joseph's Co-Ed School, C.B.S.E.

Apr. 2011 – Mar. 2013

Senior Secondary Education

7.2/10.0

St. Joseph's Co-Ed School, C.B.S.E

Apr. 2010 – Mar. 2011

EXTRA-CURRICULAR ACTIVITIES

- **Professional Learning:** Studied multiple courses from various MOOC platforms like Coursera and edX under domains like Cybersecurity and Programming.
- **Sports:** Ran a 10km marathon organized by Decathlon - Run for your loved one.