Hyderabad, India
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Mohd Saalim Jamal

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Education

Indian Institute of Technology Hyderabad
Master of Technology (Research Assistant)
Computer Science and Engineering, *Aug' 16 - Jun' 19*
GPA: 9.55/10

Kamla Nehru Institute of Technology, Sultanpur
Bachelor of Technology, Computer Science and Engineering, *Aug' 12 - Jun' 16*
Percentage: 81.34

Technical Skills

Programming Languages: Java, Python, C#, Powershell Scripting
Web Technologies: HTML, CSS, MVC Model, Javascript,JQuery
System Design: 2+ year experience of HLD and LLD for industry level application.
Operating System: Linux, Windows
Database: MySQL
Core Skills: Computer Networks, TCP/IP Stack, Network Administration

Work Experience

Microsoft India Private Limited
May '22 - Present

Designation : Software Engineer
- Working in the Sharepoint and OneDrive domain. Responsible for handling data residency that involves automated detection of user's default loation, moving data in case of any change in the location.
- Honoring the data laws of different countries and making sure the data is compliant with that.
Technology Stack: C#, Azure Cosmos DB, Powershell scripting, Scope scripts

Qualcomm India Private Limited
July '19 - Apr '22

Designation : Senior Software Engineer
- Develop/Maintain the Automation framework for SA (Static Analysis) tools which requires working on both front end and the back-end.
Technology Stack: Python, C#, Javascript, JQuery, SQL

- Experience with designing the complete application with appropriate API design, data flow inside the application and also the necessary and optimized data presentation on the Web UI.
- Got the **best performer award** for the FY 2020-2021.

Internship

University of Tokyo, Japan
Supervisor : Prof. Hideya Ochiai and Prof. Hiroshi Esaki *May '18 - Jul '18*

Project : A Clustering Based Identification of Valid Communications in IoT Networks
- Proposed a mechanism for providing access control by identifying valid communication in a network consisting of IoT devices using clustering techniques.
- Devising two separate algorithms for extracting the existing patterns in the TCP and UDP communications of the IoT network
- *Paper accepted in IoTSMS Workshop-FCST 2018*

Academic Projects

A Framework for Real-Time Spam Detection in Twitter

Supervisor : Prof. Maunendra Sankar Desarkar *Sep '17 - Nov '17*

- Proposed a framework which takes the user and tweet based features along with the tweet's text to classify the tweets as spam or non-spam.
- Evaluated our solution with four different machine learning algorithms namely - Support Vector Machine, Neural Network, Random Forest and Gradient Boosting.
-*Poster accepted in COMSNETS 2018, one of the premier peer-reviewed conferences of IEEE/ACM*

Android Application for Indoor Localization Using Wi-Fi for IIT Hyderabad
Supervisor : Prof. Manohar Kaul *Jan '17 - Apr '17*

- Developed an Android application for indoor navigation using WiFi fingerprinting technique.
- Collected the WiFi signal based on a map of collecting points, matched with the user's current WiFi signal to detect the location.
- Navigated user with the screen written text using Dijikstra's Algorithm.

Demonstrate the effect of peer selection on fork/chain split on real-testbed for Blockchain
Supervisor : Prof. Kotaro Kataoka *Jul '18 - Sep '18*

- Created a small private bitcoin network using regtest mode in Bitcoind.
- Used the physical network information in the peer selection for creating Bitcoin network.
- Reduced the inter block generation time without effecting the chances of forking.

VIBHAJAN: A lightweight and Scalable Control-Plane Management for Multi-Controller SDN
Supervisor : Prof. Kotaro Kataoka *Jun '17 - Dec '17*

- Proposed a lightweight and scalable control plane management for multi-controller Software Defined Network.
- Aim is to reduce the communication overhead involved in disseminating control-plane information including topology-related and the link information like bandwidth and delay throughout the network in the distributed architecture.
- *Paper accepted in NFV-SDN 2018, one of the premier peer-reviewed conferences of IEEE*

Awards & Achievements

- **Academic Excellence Award for 2016-17, IIT Hyderabad**
- Selected for the **India-Japan Industry-Academia-Government Collaborative Education Program** (IJEP) internship for nine weeks at University of Tokyo, Japan.
- Acheived a Global Rank of **158** in CodeChef (well known Competitive Programming Website) Long Challenge.

Extra Interests

Hobbies: Competitive Programming, Poetry-Writing, Cricket, Travelling