Mohammed Shahbaaz Shareef

Experienced in Software Development;
Ambitious with strong interpersonal skills;
Apt to modern technologies in AI and Data Analytics.

📞 🟢 (+1) 469 647 1311
✉ mxs8858@mavs.uta.edu

EXPERIENCE

- **Senior DevOps Engineer**   Feb 2020 - Dec 2022
  Vamstar (India)   [AWS, Python, Serverless, Jira, Cloudformation and Terraform]
  Leading the Infrastructure Team
  ○ Architected and lead DevOps Efforts with CTO's office, optimising cost and infra creation time by 20 %.
  ○ Use Serverless framework across multiple AWS accounts for Infra Creation and Serverless Architecture.
  ○ Created Production grade pipelines in CircleCI inline with DRY Principles with roll back, quality gates etc.
  ○ Automation of manual processes in software life cycle using different technologies and shell scripts.
  ○ Advocate for Well Architected design, Proposed Terraform for maintaining infra state and resource creation.

- **Software Developer Associate - DevOps**   July 2019 - Feb 2020
  NTT DATA PVT LTD (Hyderabad)   [AWS, Python, JAVA, Openshift, Serverless, and Terraform]
  Working for US based Insurance Client
  ○ Written scripts to automate the build, packaging, and Deployment of Mission Critical Applications
  ○ Deployed applications in various environments like Development, Test, and Production.
  ○ Good understanding of Amazon Web Services (AWS), Creating EC2 Instances, S3, Auto scaling, ELB and configuring all necessary services.
  ○ Automation of manual processes in software life cycle using different technologies and shell scripts.
  ○ Made Recommendations for automation and advocate for DevOps Strategies to Clients

- **Python Developer Intern**   May 2018 – August 2018
  Bothook Inc (Enterprise AI Chatbot Agency)   [Python, ML, Pandas, Matplotlib, ...]
  In-office Internship: Learned about python development and agile methodology, Cutomer Service to Existing bothook customers, query resolution and New customer onboarding
  ○ Developed a script that fetches real time crypto currency data and perform call to action with notification
  ○ Use SQL Alchemy to work with local PostgreSQL Database
  ○ Design a flask application with Bootstrap Python and use WTFORMS to render and validate fields
  ○ Used Beautiful Soup for scraping web and directly feeding results to chatbot conversational scripts
  ○ Perform Search Engine Optimisation and Keyword Analysis thereby reducing bounce rate by 17 %
  ○ Provide service level agreement to customer, maintain records and generate leads of potential customers

PROJECTS

○ **Electronic Voting Machine using Raspberry Pi (Final Year Project)** :
  * Design robust hardware with digital inputs and LCD output
  * GUI and front end development with python libraries such as guizero and flask
  * Coded JSON database which returns proper candidates ID after fingerprint verification(pyfingerprint)
  * Aggregate input data, stream live data to ThingSpeak cloud with timestamp
  * Visualizing sensor data and perform analytics with Matlab
  * Push input JSON data to Ethereum smart contract through MQTT payload
  * Currently working on enterprise level deployment with IBM Watson IoT and IBM Blockchain

○ **Gender Classification (Machine Learning Project): Gender prediction using characteristics of a name** :
  The goal of this project was to guess the gender of a name with three features.The model is deployed on Heroku.The model achieved over 70% accuracy

○ **Telepresence Bot (Robotics Club Project): A remote controlled robot with two way audio and video capabilities.** :
  * Developed a chassis with web enabled motion through esp8266 and Blynk IoT integration
  * Implement speech to text feature with quick note taking GUI (Python tkinter GUI)

* Coded voice guided navigation with edge and collision detection
  * Setup opencv on Rpi for object and face detection
  * Designed two way conference call setup

○ **Deploy Application to AWS Cloud with Python CDK** :
In this project i used AWS Cloud Development Kit (CDK) to rapidly deploy infrastrucute to AWS Cloud

○ **Imagine Hack (College Hackathon): MIChat: An Open Chatroom for Microsoft Student Society's event organizers and hackathon participants** :
In this project we made a Chat App named MIchat that facilitates interaction amongst participants without additional identity registration. Inbuilt leader board and real time Que application

TECHNICAL SKILLS

○ **Languages**: Python 3 yrs, C/C++ 1 yrs, COBOL, JCL, Matlab

○ **Techniques**: Clustering, Neural Networks, Data Structure and Algorithms, Linear Algebra, Statistics, Database Management, Operating System, Pivot Table, Advanced Excel

○ **Python Packages / Libraries**: Numpy, Opencv, Matplotlib, Plotly, Flask, Scipy, Pandas, Microsoft Word, Microsoft Excel

○ **Lab Skills:**: Proficient in Micro controllers lab, Computer Programming Lab ,Digital Signal Processing Lab , Communications Lab

○ **Frameworks / Tools**: MYSQL, PyCharm, Git, CICS, z/OS, File-Aid, IBM Sort utilities, MQTT, CoAP, Hadoop

RESEARCH INTEREST

Big Data Models and Algorithms, Cybersecurity, Large Scale Distributed System, PyTorch, SciKit-Learn, Keras, IoT MiddleWare Platforms

COURSE WORK

○ **Academic Course Work**: Programming in C/C++, Applied Mathematics, Probability Theory and Stochastic Process, Computer Org.&Architecture, Managerial Economics, Industrial Admn.&Finance Management, Artificial Neural Networks, Internet of Things, Computer Networks

○ **Online Courses** :
   1. Python for Data Science : DataCamp
   2. IoT Programming and Big Data : Edx(Pursuing)
   3. Machine Learning : Coursera(Pursuing)

○ **Certifications**:
  * Agile And Scrum Certification (NTT DATA - Certificate)
  * Introduction to Python (DataCamp - Certificate)
  * Google Analytics Individual Qualification (Google - Certificate)
  * Chatbot and Python Developmenmt (Bothook - Certificate)
  * Internshala Student Partner (Internshala - Certificate)
  * Inbound Sales (Hubspot - Certificate)

Honors and Activities

* ∗ Top Performer Award at NTT DATA Services - Mainframe Training
* ∗ Abdul Kalam Innovation Award 2019 - awarded most innovative project out of 40 projects.
* ∗ Secretary of IEEE MJCET student chapter 2018-2019
* ∗ Volunteer at IoT users Club
* ∗ Individually managed Internshala's Outreach campaign from March 2017 to August 2017. Sold over 100 training coupons and facilitated over 150 registrations
* ∗ Chairperson and Technical Head - Robotics Club MJCET
* ∗ School captain of Nasr School - 2013 batch

Education

∗
Osmania University | 82.47 %   Hyderabad, TS, IN
Bachelor of Engineering in Computer Engineering   Aug 2015 – May 2019

∗
Sri Chaitanya Junior College | 95.40 %   Hyderabad, TS, IN
Intermediate (Plus 2)   Aug 2013 – Mar 2015

∗
Nasr Boys School | 86.33 %   Hyderabad, TS, IN
Matriculation - ICSE   May 2013