Mohammed Nauman Siddique

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SUMMARY

Result-driven software engineer with **six plus (6.5) years of experience** in frontend and backend web development, data science, and visualizations. Proficient in Python, Java, Java Script, SQL, Unit Testing, AWS, Docker, and Agile practices.

PROGRAMMING SKILLS

Languages/ Frameworks:	Python, JavaScript, C, JAVA, C++, PHP, R, d3.js, node.js, Xamrin, Android, Go, Tizen
Technologies/ Libraries:	Git, REST API, Elastic Search, Docker, AWS, Kubernetes, Tableau, JIRA, Agile, CI/CD, NumPy, pandas, scikit-learn, Flask, PyTorch, Hadoop, NLTK, TextBlob, SDLC, UML
Database/ Operating Systems:	MySQL, MongoDB, Linux, Yocto, Brillo, Raspberry Pi, Shell Scripting

EDUCATION

Old Dominion University, Norfolk, VA (MS in Computer Science) GPA: 3.86   Dec 2021

Relevant Coursework: *Machine Learning, NLP, Information Retrieval and Visualization, Database Systems, Mining Scholarly Big Data, Web Science and Programming, Web Server Design, Containers and Cloud IP*

Jamia Millia Islamia, India (Bachelor's in Computer Engineering) Grade: First Class   May 2014

WORKING EXPERIENCE

Full Stack Developer, Classranked, Salt Lake City   Mar 2022 - Present

Research Assistant (WS-DL Group, ODU), Norfolk, Virginia, USA   Aug 2017 - Dec 2021

- Working on aggregating 115th Congressional deleted tweets from multiple data sources.
- Working on creating a model to analyze difference between live and deleted for 115th Congressional tweets.
- Created a visualization tool for measuring the social media popularity using web archives.
- Developed and released a service to estimate timestamp of any tweet in pre and post Snowflake era.
- Released Python library for accessing historical Twitter data using web archives.
  (Technology Stack: Python, MongoDB, Java Script, R, Docker, REST API, d3.js, node.js, AWS, Pipe and Filter Architecture)

Teaching Assistant for Graduate and Undergraduate Level Courses (ODU)   Aug 2017 - Dec 2021

- Graduate Information Retrieval course (Teaching Assistant)
  - Offer doubt clearing sessions, grade assignments, research presentations, reports, and proposals.
- Undergraduate Advanced C++, Operating Systems, and Computers in Society courses (Teaching Instructor)
  - Conduct the labs, recitations, offer doubt clearing sessions, and grade assignments and course projects.
  - Develop examination questions, homework assignments, undergraduate research projects, and lab modules.

Software Developer, Haman Connected Services, Gurgaon, India   Feb 2015 - June 2017

- Developed Harman IoT Gateway middleware responsible for communicating with heterogenous IoT sensors. *(Technology Stack: Java, C, Python, JavaScript, REST API, Agile, Image Processing, Network Protocols, MySQL, Plug and Play Architecture)*
- Developed REST APIs for Harman IoT cloud services used for communicating with Harman IoT Gateway, which was used by clients such as VMWare, Google, AMX, NXP, British Telecom, Team Viewer, AT&T, Entrust etc.
- Involved in Harman IoT Gateway agile sprint planning, client interactions, and product development design document.
- Developed wearable floating UI and widgets, and responsible for client interactions and deliverables.
  (Technology Stack: Tizen SDK, Android, Java Script, GIT, JIRA, Agile)
- Worked on Android Source Code for creating APIs for network services, messaging framework, and device information.
  (Technology Stack: Android, GIT, JIRA, Agile)

AWARDS/ TALKS

- Judge for Senior Research Project Evaluation, CS Department, ODU, Norfolk, USA (Mar. 2018 and July 2021)
- Judge for Undergraduate Raspberry PI Contest, CS Department, ODU, Norfolk, USA (Oct. 2020)
- Talk on Congressional Deleted Tweets, Simon Fraser University, Vancouver, Canada (Nov. 2018)
- Received award in all four bi-annual awards at HARMAN (Aug. 2015, Dec. 2015, Apr.2016, Nov. 2016)
- Winner of British Telecom's Connected Cities competition for Smart Parking solution (May 2016)