

DANISH IQBAL

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EDUCATION

Jamia Millia Islamia

B.Tech(Computer Engineering) - CGPA - 8.5

08 2015 – 05 2019

New Delhi, India

EXPERIENCE

Qualcomm ↗

Senior Software Engineer

12 2022 – Present

Hyderabad, India

- Contributed to the development of SDK (QAIRT) for optimizing deep learning models on CPU, GPU, and DSP.
- Designed and implemented granular DSP clock control, exposing APIs that allow customers to fine-tune clock frequencies for better performance and power efficiency.
- Successfully troubleshoot and resolved 30+ customer-reported issues, improving system stability and user experience.

Samsung ↗

Software Engineer

06 2019 – 12 2022

Noida, India

- Developed and integrated carrier apps and modules for Samsung Android devices and smartwatches.
- Implemented automation for bootable binary creation, cutting security update release time by 30% and enhancing system reliability.
- Collaborated with cross-functional teams to deliver timely software updates with high reliability.

PROJECTS

Video Frame Interpolation using Generative Adversarial Network. | Python ML

01 2019

- In this project, we generated extra frame between the two frames of videos using various methods like Average of pixels, Regression, and Generative Adversarial Network.

Substitution Box Design Using Optimized DAP | C++

06 2018

- In this project, we have deduced the method of generating S-Box by incremental approach with low Differential Approximation Probability (DP is 6 for 6*6 and 10 for 8*8 S-Box).

Geodetic Datum Conversion Tool for Ministry of India, Defence. | C++

01 2018

- Developed a geodetic datum inter-conversion tool for the Ministry of Defense, India. This project idea has got selected for the software product development competition. The transformation tool has a provision for input to take map data of one geodetic datum and convert it into another geodetic datum for each NAD27, NAD83, Everest datum, and WGS84.

TECHNICAL SKILLS

Languages: C, C++, Algorithms, Data Structures

Developer Tools: VS Code, IntelliJ IDEA, CLion

Technologies/Frameworks: Linux, GitHub, Perforce

ACHIEVEMENTS

- Achieved top performance rating at Samsung RD Institute (Noida) and in Qualcomm.
- Secured 98.3 percentile in JEE Mains 2015 (Top 1.7% among 1.2M candidates).
- Secured 98.1 percentile in GATE CSE 2019 (Top 2% among 90K candidates)..