

# FURQAN KHAN

Aspiring Deep Learning Researcher and Intern with a Strong Foundation in Computer Science & Engineering

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🌐 [FURQAN-Y-KHAN.GITHUB.IO](https://FURQAN-Y-KHAN.GITHUB.IO) in [LINKEDIN.COM/IN/FURKAAN309](https://LINKEDIN.COM/IN/FURKAAN309)



## SUMMARY

I am a highly motivated and detail-oriented individual currently pursuing a PhD in Deep Learning at the National Institute of Technology Srinagar, with a strong foundation in Computer Science and Engineering. My academic and professional journey is marked by a series of internships and research projects that have honed my skills in deep learning, machine learning, and optimization algorithms. I have demonstrated my ability to manage multiple tasks efficiently, adapt to changing environments, and collaborate effectively with teams to drive innovation and research in the field of deep learning.



## WORK EXPERIENCE

### CHIEF TECHNICAL OFFICER

#### LAST APP STANDING

2023-06 - PRESENT

- Managed multiple research tasks simultaneously while remaining adaptable and flexible, ensuring that all projects are completed efficiently and effectively.
- Responded promptly to research needs and resolved problems swiftly, leading to increased efficiency in deep learning application development.
- Worked collaboratively with coworkers to complete numerous deep learning research projects, contributing to the company's success through innovation and research.

### CHIEF EXECUTIVE OFFICER

#### LEAP FOUNDATIONS

2022-07 - PRESENT

- Conducted research on leveraging technology to improve literacy rates in Africa, focusing on the use of deep learning algorithms to analyze educational data.
- Developed and implemented strategies to leverage technology for educational purposes, aiming for increased access to education in Africa.
- Collaborated with a team to initiate the Leveraging Education of the African Peninsula project, aiming to enhance literacy through technology.

### TCS INTERN

#### TATA CONSULTANCY SERVICES

2021-05 - 2021-07

- Conducted research and found over 100 solidity bugs in Ethereum-based smart contracts, significantly improving code quality and reducing risks for business operations.
- Updated code to Remix IDE for enhanced performance, leading to more efficient and reliable smart contract development.
- Contributed to the improvement of Ethereum smart contracts, ensuring their security and reliability for business use.



## EDUCATION

### PHD IN DEEP LEARNING

#### NATIONAL INSTITUTE OF TECHNOLOGY SRINAGAR

2023-08 - PRESENT

- Focusing on research in Optimizers, aiming to contribute to advancements in deep learning technologies and optimization algorithms.
- Engaging in academic collaborations and presentations, sharing knowledge and insights with the academic community.
- Working towards a PhD with a strong emphasis on deep learning, aiming to make significant contributions to the field.

**MASTER OF TECHNOLOGY**  
**INDIAN INSTITUTE OF TECHNOLOGY**  
2020-01 - 2022-12

- Specialized in advanced topics such as Matplotlib, Seaborn, Computer Vision, Software Testing, Big Data, TensorFlow, PyTorch, Algorithms, NumPy, Deep Learning, and Machine Learning.
- Conducted research and developed projects in these areas, contributing to the advancement of computer science and engineering.
- Graduated with a strong foundation in CSE, equipped with the skills and knowledge to tackle complex challenges in the field of deep learning.

**BACHELOR OF TECHNOLOGY**  
**NATIONAL INSTITUTE OF TECHNOLOGY**  
**SRINAGAR**  
2015-09 - 2019-12

- Acquired skills in programming languages such as C, Python, and JavaScript, as well as technologies like Artificial Intelligence, Big Data, HTML, CSS, and DevOps methodologies.
- Completed projects and coursework related to Information Technology, gaining practical experience and a solid understanding of the field.
- Graduated with a BTech degree in Information Technology, prepared for a career in the tech industry with a focus on deep learning.



## VOLUNTEERING

**VOLUNTEER TUTOR**  
**ILM INSTITUTE**  
2019-07 - 2020-06

- Provided academic support to students by explaining complex concepts in an accessible manner, fostering a deeper understanding of the subject.
- Encouraged open communication in the classroom, creating an inclusive learning environment where students felt comfortable asking questions and expressing their ideas.
- Assisted students with technological tools and resources, enabling them to leverage technology for their academic growth and development.



## QUALIFICATIONS

- Leadership: Ability To Multitask, Outgoing and Friendly, Public Speaking, Team Leadership
- Machine Learning: Keras, McTorch, Python, Pytorch, Scikit-Learn
- Analytics and Visualizations: Matplotlib, Numpy, Pandas, PowerBI, Seaborn, Tableau
- DevOPs & Simulators: AWS, Git, Github, Hadoop, NetSim, NS3, Spark, SUMO
- General: C, CPP



## LANGUAGES

ENGLISH



HINDI



KASHMIRI



URDU



## PUBLICATIONS

- COVID-19: The Analysis, Impact, and New Specified Algorithms for Prevention, Cure and the Possible Vaccination Path.  
*Journal of Virology Research & Reports (Jul 2023)*
- Online Fake Review Detection Using Supervised Machine Learning And BERT.  
*ArXiv (Jan 2023)*
- Machine Learning Algorithms for Depression Detection and their Comparison.  
*ArXiv (Jan 2023)*
- Addressing traffic issues of Srinagar using modern protocols  
*Engineers Institute of India (Aug 2019)*
- A study on artificial neural networks  
*IJRSET (Jan 2018)*



## CERTIFICATIONS

- Indian Institute of Technology, Delhi.
- University Grants Commission (UGC)
- University Grants Commission
- UGC Net Jul 2023 - Jul 2026
- Reviewer Jul 2023 - Present
- GATE 2020 Apr 2020 - Apr 2023
- University Grants Commission
- UGC NET Nov 2020 - Nov 2024
- UGC NET Feb 2022 - Feb 2026
- IJNRD Journal



## ACHIEVEMENTS

- IBM CFC Dec 2021