

KAUSTHUB THEKKE MADATHIL

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EDUCATION

National Institute Of Technology Karnataka, Surathkal *July 2019 - May 2023*
Bachelor of Technology : Major in Information Technology [*CGPA : 8.98/10.00*]
Minor in Management [*CGPA : 9.00/10.00*]

WORK EXPERIENCE

Dept. of Information Technology, NITK December 2020 - Present
Research Assistant *Guide : Dr. Kiran M*

- Sharding of D2D users using K-means algorithm based on application type
- Calculation of SINR and corresponding resource allocation using PSC-NS3.

PROJECTS

Real Time Face Mask Detection August 2020 - November 2020

- An image classification problem approached using Transfer learning to build the model. Libraries like TensorFlow, Keras, OpenCV was used.
- Achieved 98% accuracy on a dataset of 4000 images. (in par with the current benchmark accuracy)

e-KYC using Blockchain September 2020 - Present

- Building an infrastructure for maintaining e-KYC using blockchain with the help of HyperLedger Fabric.
- The tool will help various organizations to join hands and store the data of their users in the network, thus minimizing the redundant process of getting the user data for each organization.

ACM-NITK Website Revamp December 2020 - Present

- Changing the front-end from HTML/CSS to React.js along with additional features for better user experience.

TECHNICAL SKILLS

Languages	C, C++, Python, Javascript, HTML/CSS
Frameworks and Libraries	TensorFlow, Keras, NumPy, OpenCV, Django, React.js
Tools	Git, Jupyter Notebook, Visual Code

RELEVANT COURSES

Deep Learning (Coursera), Full Stack Web Development (Coursera), Signals & Systems, Data Structures & Algorithms, Computer Communication & Networking, Computer Organization & Architecture

EXTRA CURRICULAR

Executive Member of ACM NITK chapter

- Undertaking projects, mentoring and organizing events in the field of computer science.