



## EDUCATION

**University of Virginia** | Charlottesville, VA  
Master of Science in Computer Science

Aug. 2024 – (Expected) Dec. 2025

**University of Mumbai** | Mumbai, India  
Bachelor of Engineering in Information Technology

Aug. 2017 – Jul. 2021

## EXPERIENCE

**Systems Engineer** | Tata Consultancy Services, India

Jul. 2021 – Jul. 2024

- Leveraged DevOps framework in the analysis, development, support and life cycle management of a mission critical application platform, TIBCO MFT for client ASML, resulting in **zero incident** deliverables for 3 years in a row.
- Coordinated **deployment** and configuration of application on servers, managing and maintaining more than **60** servers (RHEL7/ RHEL8/ Windows Server 2016 and 2019).
- Led over **30** project proposal discussions, providing **system design** consultation to integrate MFT solutions with customer infrastructure.
- Spearheaded the critical campaign of **migrating** entire MFT landscape from RHEL7 to RHEL8, with **zero downtime issues**.
- Managed and improved the product internally within a **DevOps** framework while delivering secure file transfer systems solutions to customers within an **Agile** framework, leading to 97% CRR.
- Developed and executed **training programs** on advanced source code management techniques, enhancing team proficiency and reducing onboarding time for new developers by 20%.
- Led a cross-functional team in applying site reliability principles to **redesign infrastructure**, achieving a 30% increase in system uptime, by adding an availability zone in another continent.

## PROJECTS

### COVIDian

[\[GitHub\]](#)

- Developed a COVID Tweet Sentiment Visualizer and Analyzer with Live Tweet extraction, Region-wise Sentiment breakdown, and Machine Learning models for analysis, deployed on an AWS EC2 Instance.
- Technologies: Docker, Amazon Web Services, CircleCI, Tensorflow, Scikit-Learn, React.js, Node.js, MongoDB, GraphQL.

### Deep Neural Networks From Scratch

[\[GitHub\]](#)

- Built a dog classifier with binary and multiclass classification from scratch, without the use of existing Machine Learning frameworks.

### Digital Wellbeing

[\[GitHub\]](#)

- Created a cross-platform application for keeping track of moods of the user by interpreting facial features to assist mental health.
- Technologies: Raspberry Pi, Faceapi.js, React.js, Socket.io, Node.js, Firebase, MongoDB, GraphQL.

## PUBLICATIONS

### Lifestyle – An Application to Transfer Artistic Styles

May 2021

- Developed an application enabling high-quality artistic image generation through Style Transfer Techniques, utilizing VGG19, Inceptionv3 + MobileNet-v2, and CycleGAN Neural Networks. [\[link\]](#)

### Measuring Performance of Generative Adversarial Networks on Devanagari Scripts

Jun. 2020

- Showcased the effectiveness of Generative Adversarial Networks with real-life datasets by creating Devanagari script characters and applying Gaussian Blur, Otsu's Thresholding, and morphological operations for character processing. [\[link\]](#)

## SKILLS & CERTIFICATIONS

**Programming Languages:** C/C++, Python, Java.

**DevOps:** Docker, Shell Scripting, Cloud Orchestration, git, Jenkins, Puppet, AppDynamics.

**Databases:** MySQL, PostgreSQL, MongoDB.

**Network Protocols:** TCP/IP Suite, (S)FTP, HTTP(S), Telnet, DNS, SSH, SSL.

**Cloud Services:** AWS, GCP, Azure

**Machine Learning and Deep Learning Certifications** – Deep Learning Specialization - deeplearning.ai, TensorFlow in Practice Specialization - deeplearning.ai, TensorFlow: Data and Deployment Specialization - deeplearning.ai.

**Algorithms and Data Structures Certifications** – Algorithms Specialization - Stanford University.