



EDUCATION

University of Virginia | Charlottesville, VA

Aug. 2024 - Present

Master of Science in Computer Science

Relevant Coursework: Economics of Distributed Systems, Natural Language Processing, Smart and Healthy Buildings.

University of Mumbai | Mumbai, India

Aug. 2017 – Jul. 2021

Bachelor of Engineering in Information Technology

GPA: 9.44/ 10.00

Relevant Coursework: Operating Systems, Computer Organization and Architecture, Data Structure and Algorithms, Database Management Systems.

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.

PROJECTS

COVIDian

Jul. 2020

- Developed a COVID Tweet Sentiment Visualizer and Analyzer with Live Tweet extraction, Region-wise Sentiment breakdown, and ML 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

May 2020

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

Digital Wellbeing

Oct. 2019

- 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.

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.

SKILLS

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

CERTIFICATIONS

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.