

KIRAN JOSHI

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EDUCATION

University of Massachusetts, Dartmouth

January 2020 - December 2021

Masters in Computer Science

GPA: 3.51/4

Coursework: Algorithms, Software Engineering, Data science, Operating System, Cyber defense, Gamification.

University of Pune

August 2014 - August 2018

Bachelors in Computer Engineering

First Class with Distinction

Coursework: Data Structures, Distributed Systems, Object Oriented Programming, Computer Graphics.

TECHNICAL SKILLS

**Languages,
Techologies & Tools**

Python, SQL, JavaScript, Git, JIRA, Java (familiar),
AWS, Spark, REST API, MySQL, Machine Learning,
HTML, CSS, D3.JS, PyCharm, Jupyter, Docker.

PROJECTS

• Security camera monitoring system

May 2021 - July 2021

Developed an end to end full stack threaded web application that captures motion based video and invokes backend apis to upload video on AWS S3 and send smart email notification via AWS SNS service.

[Python, AWS S3, SNS, CloudFront, EC2, Raspberry Pi, Javascript, Flask, HTML]

• Data Science & Visualization

September 2020 - April 2021

Implemented supervised machine learning models for training for use cases like covid-19 prediction on chest x-ray scans, Road sign classification for autonomous cars.

Contributed on a team project to create interactive visualizations of CO2 emission data by countries, US elections, covid-19 progression.

[Python, Neural Networks, Regression, Machine learning, Tensor flow, keplerGL,D3,DeckGL]

• Distributed File System

January 2020 - April 2020

Developed a file sharing system to perform thread safe CRUD operations using distributed producer consumer architecture.

[Python, OS, Sockets, Shell Script, Unix]

EXPERIENCE

• Riskpro Ltd

May 18 - June 18

Software Engineering Intern

Pune, India

Developed Smart Parking System's back-end service for automated updating of persistence layer on entry and exit

• Quick Heal Foundation

February 18 - April 18

Web Developer Intern

Pune, India

Contributed to site development for cyber security awareness

PAPER PUBLICATIONS

Battlefield Simulator using GPU

December 2018

ACM's 5th International Conference on Bioinformatics Research and Applications

<https://dl.acm.org/doi/10.1145/3309129.3309131>

SIDE PROJECTS & INTERESTS

Website:<https://kiranjoshi25.github.io> | **Github:**github.com/kiranjoshi25 | **Blog:**<https://dataviz25.blogspot.com/>