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JINAM SHAH

EDUCATION

NORTH CAROLINA STATE UNIVERSITY, USA, MASTER'S IN COMPUTER SCIENCE

August 2021 - Present

Relevant Coursework: Artificial Intelligence – 1, Neural Networks, Automated Learning and Data Analysis

NMIMS, INDIA, BACHELOR OF TECHNOLOGY IN COMPUTER ENGINEERING

June 2014 – May 2018

EXPERIENCE

NORTH CAROLINA STATE UNIVERSITY, USA

Research Apprentice, IEC Lab (October 2021 – Present)

Currently working on DNA sequence pattern mining using deep learning for cancer detection and treatment under the guidance of Dr. Noboru Matsuda.

CACTUS COMMUNICATIONS, INDIA

Senior Software Engineer (June 2020 – July 2021), Python Developer (June 2018 – June 2020)

Bootstrapped multiple products in the domain of AI/ML and BigData.

Created end-to-end machine learning pipelines in production environment using cloud infrastructure in a fault tolerant and cost-effective manner.

Architected BigData platform that ingests over 1.5Tb/week and generates over 4.5Tb/week. It manages over ~250Tb of data in the datalake.

RELEVANT PROFESSIONAL PROJECTS

SUBJECT AREA DETECTOR

Ensemble of DL and ML models performing document classification for over 1500 classes deployed in serverless architecture.

ETHICAL IMAGE CHECKER

Image classifier for determining ethical compliance of images added in research papers recognizing faces, tattoos, birthmarks, face drawings deployed using serverless architecture.

RELEVANT ACADEMIC PROJECTS

IMAGE CAPTION GENERATION

Generative network and Image detection-based approach for generating captions from an image.

EXOPLANET HUNTING IN DEEP SPACE

Machine learning based approach for classification of a star being a "candidate" that can have a planet revolving around it.

SKILLS & ABILITIES

Python, ML, DL, NLP, image processing, distributed training, big data.

Cost effective, Secure and Reliable Infrastructure Design, Serverless Architecture.

AWS, GCP, Azure, EC2, ECS, S3, EMR, Lambda, Redshift, Kinesis, Step functions etc.

VOLUNTEER WORK

AI4GOOD FOUNDATION

July 2021 – Present