

# SHRUTI KUNAPULI

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## EDUCATION

### Northeastern University

Master of Science

Major: Data Science

Relevant Coursework: Supervised Machine Learning, Data Processing and Data Management

Boston, MA

Expected graduation: May 2023

### Osmania University

Bachelor of Engineering

Major: Electronics and Communication Engineering

Relevant Coursework: Object Oriented Design, Python Programming, and IoT

Hyderabad, India

May 2019

## PROFESSIONAL EXPERIENCE

### DEEPLARNING.AI

*Mentor*

Boston, MA

September 2021 - Present

- Designing and demonstrating 6 deep learning modules as a part of course curriculum developer
- Mentored 35+ data science enthusiasts on ML and computer vision projects, achieving 76% improvement in final project assessments

### INNOMINDS

*Data Scientist*

Hyderabad, India

June 2019 - August 2021

- Collaborated with team members to optimize customer queries question and answering system resulting in reducing 54% of manual SME effort for Qualcomm
- Managed and collaborated in cross-functional teams alongside other hardware, software, and data engineers to create scalable data-driven Python applications, and AI-based solutions

### BIGDATAMATICA SOLUTIONS

*Data Science Intern*

Hyderabad, India

January 2019 - June 2019

- Utilized Python, Google APIs, constructed an IoT project on Raspberry PI to assist the elderly in daily life activities like time and date, weather, and calendar over voice assistance aided over 3,490 users per day
- Developed a facial detection system using computer vision algorithms and OpenCV library to recognize human faces with 88% accuracy to build customer security and surveillance applications

## TECHNICAL KNOWLEDGE

Languages: C, Java, Python, R

Databases: MySQL, MongoDB, PostgreSQL

Technologies and Platforms: Tensorflow, AWS, Keras, Pytorch, Computer vision, NLP

Certifications: AWS- MLOPS, Deep learning specialization, Python programming AI for Healthcare, CCNA

## PROJECTS

### PORTFOLIO VALUE AT RISK (VAR) PREDICTION

*IG Group*

Boston, MA

August 2020 - December 2020

- Implemented and deployed a time-series solution to evaluate portfolio VAR under different scenarios, built model outperformed the historical methods leveraged by the client, resulting in a 10% reduction in average time to estimate VAR per portfolio
- Technologies Used: Pytorch, LSTM, RNN, and Tensorflow

### STRUCTURAL DAMAGE DETECTION

*Innominds*

Hyderabad, India

January 2019 - May 2019

- Established AI-powered pipeline platform to detect and localize structural damage by analyzing 1000's of real-time drone captures. Technologies Used: Computer vision Algorithms, Supervisely Tool, AWS service

## ADDITIONAL INFORMATION

- Recipient of Bertelsmann Tech Scholarship
- Published a research paper(Sentimental Analysis and Real Time Speech Emotion Analysis) and won first place at ZF Data Science Hackathon for best research paper
- Competed at Massachusetts Institute of Technology(MIT) Datathon with a group of seven members and was placed in the top 5
- An active volunteer of Women in Machine learning and Data science(WiMLDS)