

Manikanta Nagulapalli

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EDUCATION

Florida International University |

Miami, FL

Masters in Internet of Things

August 2023

Courses: Big Data analytics, Machine Learning, Deep Learning, Network Security, IoT analytics with Cloud Services, Power Aware Computing and IoT Security and Privacy

SKILLS

Proficient: Internet of things, Computer Networking, Cloud Computing, python, DBMS, Machine Learning, Artificial Intelligence, Excel, Word, Hadoop, Azure cloud, Google cloud, AWS, Arduino and MATLAB

Familiar: Java, HTML, Spark, MongoDB, Robotics

WORK EXPERIENCE

Process Executive | Randstad Technologies (Nvidia) |

Hyderabad, Telangana, India February 2022 – July 2022

- As a Process Executive, I utilized video labeling to create data for autonomous cars, accurately identifying vehicles and nearby objects, determining their direction, location, and model
- Utilizing cutting-edge Artificial Intelligence and Machine Learning tools, I successfully generated data to support the development of autonomous vehicles

Research Assistant/Intern | AEC & CL educate |

Kakinada, Andhra Pradesh, India July 2019 – August 2021

- Published a two research review papers on the topic of Internet of Things in Journals Springer and Adalya Journal
- Presented research paper in 2nd International Conference on Advances in Computing and Communication Technologies
- Worked on a patent project Air pollution monitor and control device using Internet of Things

Intern | Applied Robot Control (ARC) |

Kakinada, Andhra Pradesh, India February 2021- April 2021

- Learned about how to train and control IGUS Industrial Robots
- Developed a robot to work on Farmlands picking up fruits and vegetables
- Trained a robot by using technologies IGUS and Cprog Software's

Intern | Bharath Heavy Electricals Limited |

Vishakhapatnam, Andhra Pradesh May 2019 – June 2019

- Learned about how the machinery work through digital coding and manually, and how to update the systems by changing software
- Analyzed on technologies Computer Numeric Control (CNC) and digital coding

PROJECTS

Multi-model image fusion using SWT and PCA |

Developer January 2021 – August 2021

- Designed and Implemented a Multimodal Image Fusion using Stationary Wavelet Transform and Principal Component analysis
- Created and developed a method that can detect cancers and other diseases accurately
- PCA and SWT techniques analyzed using **MATLAB** and **Image processing**

Smart Home |

Designer March 2019

- Implemented a smart Home by using Internet of Things, people can easily control home appliances by using Mobile
- Designed and developed Smart home using **Arduino UNO**, Node MCU, Cloud services and Sensors

PUBLICATIONS

- Presented and published a research paper on "Impact study of Internet of Things on smart city development" in 2nd International Conference on Advances in Computing and Communication Technologies
<https://www.springerprofessional.de/en/impact-study-of-internet-of-things-on-smart-city-development/18471938>
- Published a research paper on Analysis of security avoidance by using the Internet of Things Devices
<https://adalyajournal.com/VOLUME-9-ISSUE-11-NOVEMBER-2020>

CERTIFICATIONS

- Certified in Stanford University on Introduction to Computer Networking
- Completed Deep Learning course on Coursera
- Completed Database Management System and Cloud Computing courses on NPTEL
- Microsoft Certified Azure Fundamentals (AZ-900)
- Microsoft Certified Azure AI Fundamentals (AI-900)
- Microsoft Certified Security, Compliance, and Identity Fundamentals (SC-900)