

# Mohan Sunkara



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## Experience



### web technologies Intern

NinevitesGlobal

May 2014 - Jul 2014 (3 months)

- o Worked on several Web technologies to make websites.



### Search Engine Optimizer

JB Software and Consulting, Inc.

May 2014 - Jul 2014 (3 months)

- o Improved engine ranking of the website as a Search Engine Optimizer in JB Software and Consulting in Hyderabad, India.



### Research Assistant

Old Dominion University

Aug 2021 - Present (1 year 7 months)

- Works as Research Assitant at Web Science & Digital Libraries Research Group which is part of Old Dominion University
- Research on applying Machine learning and Natural language processing.
- Research on Human-Computer Interaction, Accessible Computing.
- Research on improving web accessibility for low-vision users.
- Research on how to use AI(Artificial Intelligence), ML(Machine Learning), and NLP(Natural language processing) to make personalized software & technologies which can understand human languages, pictures, and videos and assist vision-impaired users.



### Research And Development Engineer

HP

May 2018 - Nov 2018 (7 months)

- o My goal was to add Artificial intelligence to the HP printers by automating the diagnosis of errors using log messages by using various methods like deep learning, Machine Learning etc in Artificial intelligence so that this will reduce the human work.
- o Enhanced the logging mechanisms of HP printers.
- o Worked on parsers to parse C language code in Python.
- o Worked on different networking protocols to send messages from Printer server to client.
- o Worked on parsers to encode and decode the information into different networking protocols using java and python.
- o Worked on SQL servers for fetching and manipulating data using SQL queries.
- o Worked on configuring the safety and quality monitoring screens in the plant.
- o Learnt various analytical skills using statistics, machine learning, deep learning, etc.
- o I also worked on MATLAB, C++, Algorithms, Linux, Git, JavaScript.

o Learnt skills like Teamwork, and problem-solving skills. Engineering and Software Development.



## **Digital Intern**

Procter & Gamble

Dec 2018 - May 2019 (6 months)

- o I worked as a project manager to add the latest technologies and digital solutions to the P&G plant to reduce human labor and increase productivity in all working lines.
- o I worked as a data analyst during which I had done data analytics on data of various departments in the P& G Plant.
- o Worked with python and R programming languages.
- o Created Power Bi and Tableau dashboards.
- o Worked on making a Cloud-based IoT tool using Thing Worx for monitoring the safety and quality of the entire P and G plant which produces thousands of tons of household things daily.
- o Worked on MySQL servers for fetching and manipulating data using SQL queries and used to manage various databases.
- o Worked on configuring the safety and quality monitoring screens in the plant.
- o During this internship I learned various business analysis techniques and also learned things related to Finance, Leadership, and Communication.



## **Cyber Security Specialist Intern**

Haryana Police

Jun 2021 - Jul 2021 (2 months)

- o The aim of this internship program was to spread cyber awareness amongst the members of society to prevent cybercrime and make the internet a safer place. I worked with Gurugram Police and also Government Officials on real-life cases. Used various machine learning techniques and deep learning models to predict and solve cybercrime.

## **Education**



### **Old Dominion University**

Doctor of Philosophy, Computer Science

2021 - Present



### **Manipal Institute of Technology**

Master of Technology- M. Tech, Computer Science and Engineering

2017 - 2019



### **Manipal Institute of Technology**

Bachelor of Technology- B. Tech, Information Technology

2013 - 2017

## **Skills**

Machine Learning • Deep Learning • Python (Programming Language) • Java • C++ • Statistics • SQL • Data Visualization • Computer Vision • Natural Language Processing (NLP)