

# MOHANA UMA SUSHMANTH PENUMARTHI

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## EDUCATION

### Illinois Institute of Technology

Chicago, USA

Master's in Computer Science

Jan 2023 – Present

- Cumulative GPA : **4.00/4.00**
- Relevant Coursework: Big Data Technologies, Advanced Database Organization, Computer Networks, Software Engineering, and Science of Programming

### BML Munjal University

Gurgaon, India

Bachelor Of Technology in Computer Science

Aug 2018 – May 2022

- Cumulative GPA : **7.84/10.0**
- Relevant Coursework: Data Structure and Algorithms, Object Oriented Programming, Database Management System, Operating System, Computer Network, Machine Learning, Big Data Analytics, Linear Algebra, Discrete Mathematics

## WORK EXPERIENCE

### Product Engineer

Jan 2022 - Jun 2022

Smart Energy Water

Noida, India

- Worked as a Dot NET developer in the Payments team within the Product Engineering department, focusing on the development of an SCM product.
- Implemented various functionalities like Autopay, Scheduled pay, and TextPay within the Payments module to make the transactions more effective between end customers and utility-based companies in the US.
- Received comprehensive training through active involvement in various live projects within the payments module.
- Effectively handled several production issues that arose within the payment module across multiple banks.

### Data Science Trainee

Jun 2022 - Aug 2022

Skill Vertex

Bangalore, India

- Developed a Machine learning classification model with an accuracy of 92.5% that predicts the promotion of the employees in a large MNC.
- Analyzed and trained the data with three classification algorithms KNN, Decision tree, and logistic regression.

## PROJECTS

### Quantifying the text similarity between citations using NLP

December 2021

- Developed an NLP model that shows the similarity rate between a main paper and its citations and helps to know the relevance rate of those references with the main paper.
- Text was extracted using beautiful soup module and then using extractive summarization technique, the text is processed for further steps.

### EatMore

October 2022

- Developed a Full Stack Web application that is used to order food from a fictional restaurant named EatMore.
- Implemented this online food delivery application using web technologies like HTML, CSS, Bootstrap, JavaScript, NodeJS, ExpressJS, and MongoDB

### FarmlyGO

November 2020

- Developed an innovative e-commerce Android application, empowering farmers to directly connect with merchants and bypass intermediaries, leading to increased profitability for farmers.
- Designed and implemented the seller's interface prototype within the application using Java, and Firebase for efficient database management.

### Medical drug prediction

April 2021

- Developed a Machine learning classification model which predicts the suitable drug for patients who are suffering from the same illness. Analyzed the data and utilized three different classification algorithms to train it
- Deployed this predictive model into a user-friendly web application using the python library named Flask

## TECHNICAL SKILLS

**Languages:** Java, Python, C, HTML, CSS, JavaScript, NodeJS

**Libraries & Frameworks:** React, Bootstrap, ExpressJS, Spring boot, Hibernate, NumPy, Pandas, Matplotlib, Sci-kit Learn

**Databases:** MySQL, PostgreSQL, MongoDB

**Softwares & Tools:** Visual Studio, VS Code, IntelliJ, AWS Cloud, Microsoft Excel, Android studio, SQL Server Management Studio, MongoDB Compass, Postman tool, Power BI, PyCharm, Anaconda, Google Collab, Jupyter Notebook, Git, GitHub

**Certifications:** AWS Cloud Practitioner (CLF-C01), NodeJS, MongoDB from Basics to Advanced, React - The Complete Guide, Machine Learning with Python, Introduction to Structured Query Language (SQL)