# Umang Dobhal

## Computer Science Engineer

Driven and detail-oriented Computer Science Engineering student with a strong foundation in software development, data analytics, and data science. Recent experience includes a transformative internship at Kyushu Institute of Technology under Dr. Sozo Inoue, where I focused on employing Large Language Models to generate synthetic data for enhancing nurse activity recognition. Proficient in leveraging machine learning algorithms and data visualization tools to address complex challenges in data-heavy environments. Highly skilled in Python, Tableau, and Power BI, I am committed to applying advanced analytics techniques to derive actionable insights and drive data-driven decisions in a professional setting.

✉ dobhaldeepu2003@gmail.com

📍 New Delhi, India

in linkedin.com/in/umangdobhal

📱 8130320580

🔳 umangdobhal.in/

⚙ github.com/umangdobhal

## EDUCATION

### Bachelor of Technology Computer Science Engineering
Dronacharya College of Engineering

*08/2020 - 08/2024*                                  *Gurugram*

### Intermediate
The Indian Heights School

*03/2019 - 03/2020*                                  *New Delhi*

### Matriculation
Shiv Vani Model Senior Secondary School

*03/2017 - 03/2018*                                  *New Delhi*

## WORK EXPERIENCE

### Research Intern
Kyushu Institute of Technology

*02/2024 - 04/2024*                          *Fukuoka, Japan*

*Tasks*

- Worked under Dr. Sozo Inoue on the project "Synthetic Skeleton Data Generation Using Large Language Model for Nurse Activity Recognition."
- Developed a methodology using a large language model to enhance nurse activity recognition by generating synthetic skeleton data.
- Employed Random Forest classifiers, to analyse and improve the classification of complex medical activities.

### Software Trainee Intern
MindIT Systems

*07/2023 - 09/2023*                                  *New Delhi*

*Tasks*

- Collaborated with the development team to create robust, automated test scripts for a dynamic website using Selenium and Python.
- Contributed to defect identification and resolution, enhancing the overall quality assurance process.

## PROGRAMMING SKILLS

Python     C++     Data Analytics     Selenium

MySQL     HTML /CSS     Tableau     Power Bi

## PERSONAL PROJECTS

**Cricket World Cup 2023 (11/2023 - Present)**
- Currently spearheading a dynamic Power BI project focused on the World Cup 2023, showcasing my analytical and visualization skills.
- Curating comprehensive insights by integrating match summaries, detailed bowlers' and batters' statistics, and players' information tables to construct a World XI team.

**Temperature Prediction (08/2023 - 08/2023)**
- Using XGBoost and Linear Regression trained a model to predict future temperature by training on a dataset

**Pacman Replica (07/2022 - 07/2022)**
- I built a replica of Pac-Man using Unity Engine and C#. The project involved creating the game mechanics, graphics, and enemy AI.

## CERTIFICATES

**DevOps on AWS Specialization (08/2022 - 08/2022)**
*Gain in-depth knowledge of AWS services and best practices to implement DevOps principles for efficient and automated software development.*

**Data Analytics (10/2023 - 10/2023)**
*I've explored diverse tools like Tableau and Excel, and even ventured into the fundamentals of Python for exploratory data analysis.*