

Umang Dobhal

Computer Science Engineer

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Profile

Hello, I'm Umang Dobhal, a Computer Science Engineering student from New Delhi, currently studying at Dronacharya College of Engineering. My academic and professional journey is rooted in a deep passion for software development, data analytics, and enhancing user experiences through innovative technology solutions. I am particularly skilled in Python, Tableau, and Power BI, and I am committed to leveraging advanced analytics to drive data-driven decisions. I enjoy exploring new technologies, delving into programming challenges, and collaborating on diverse projects that enhance my skills and contribute to my growth as a technologist.

Professional Experience

Research Intern, ([Kyushu Institute of Technology](#))

Fukuoka, Japan 02/2024 - 04/2024

- Synthetic Skeleton Data Generation Using Large Language Model for Nurse Activity Recognition.
- Worked closely with Dr. Sozo Inoue on the development of a novel methodology to enhance nurse activity recognition.
- Contributed to designing and implementing a methodology that leveraged a large language model to generate synthetic skeleton data.
- Assisted in evaluating the effectiveness of the methodology in improving classification accuracy for complex medical activities, including Endotracheal suctioning (ES).
- Enhanced skills in data analysis, machine learning, and interdisciplinary research through active participation in the project.

Software Trainee Intern, ([MindIT Systems](#))

New Delhi, Delhi 07/2023 - 09/2023

- 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.

Education

B.Tech Computer Science Engineering [Dronacharya College of Engineering](#)

Gurugram, Haryana 2020-2024

Intermediate [The Indian Heights School](#)

New Delhi, Delhi 2019-2020

Matriculation [Shiv Vani Model Senior Secondary School](#)

New Delhi, Delhi 2017-2018

Projects

- Cricket World Cup 2023 Power BI Report - [Github](#)
 - Successfully completed a dynamic Power BI project focused on the World Cup 2023
 - Curated comprehensive insights by integrating match summaries, detailed bowlers' and batters' statistics, and players' information tables to construct a World XI team.
- Temperature Prediction - [Github](#)
 - Using Python along with powerful machine learning algorithms like XGBoost and linear regression, I analyzed historical temperature data from 1901 to 2021, available through the government's official platform.
- Pacman Replica - [Github](#)
 - I built a replica of Pac-Man using Unity Engine and C#. The project involved creating the game mechanics, graphics, and enemy AI.

Online Courses & Certifications

- DevOps on AWS - [Coursera](#)

- Data Analytics - [Preplnsta](#)
- Introduction to Generative AI, Google Cloud - [Coursera](#)

Skills

- **Programming Language:** Python, C++, Selenium
- **Data Visualization:** Microsoft Power BI, Tableau
- **Software:** Jupyter Lab, Unity Engine, VS Code