

VIDHI SHUKLA

Vidhi | [LinkedIn](#)

Vidhi | [GitHub](#)

Email: shuklavidhi52@gmail.com

Mobile: +91 95062 76231

EDUCATION

University of Mumbai

Master of Science in Information Technology; CGPA: 9.73

Mumbai, India

July 2022 – April 2024

University of Mumbai

Bachelor of Science in Information Technology; CGPA: 9.57

Mumbai, India

June 2019 – April 2022

SKILLS SUMMARY

- **Languages:** Python, SQL, JAVA, HTML, CSS, JavaScript
- **Frameworks:** Pandas, Numpy, Scikit-Learn, Matplotlib
- **Tools:** Power BI, Excel, PowerPoint, Tableau, MySQL
- **Platforms:** PyCharm, Jupyter Notebook, Visual Studio Code
- **Soft Skills:** Report Building, People Management, Excellent communication

WORK EXPERIENCE AND RESEARCH

Infogeen Labs India | AI Intern

Dec 2023 – Mar 2024

- Engineered and integrated advanced machine learning and natural language processing (NLP) technologies, significantly enhancing data analysis and operational efficiencies.
- Developed robust APIs and applied predictive modeling techniques to support strategic decision-making, showcasing notable improvements in system performance and forecasting accuracy.

Advancing Prenatal Diagnostics: A Novel Approach Using Machine Learning to Assess

Feb 2024

Fetal Well-being | TIJER - International Research Journals | [LINK](#)

- Conducted ground-breaking research focusing on the utilization of ensemble machine learning techniques to predict fetal health outcomes, aiming to significantly enhance prenatal care.
- Employed sophisticated data pre-processing and ensemble machine learning models to analyse extensive clinical datasets, improving the accuracy of fetal health predictions.

KEY PROJECTS

PCOS Prediction | [LINK](#)

Jun 2023

- Engaged in advanced machine learning techniques to develop a predictive model for Polycystic Ovary Syndrome (PCOS) using medical imaging. This project focuses on leveraging convolutional neural networks and SVM to accurately identify and highlight infected regions in ovarian images.
- Implemented a robust image pre-processing pipeline to standardize and enhance diverse clinical image datasets. Developed and tuned CNN and SVM architectures to classify and localize PCOS manifestations in ovarian ultrasound images.
- Technologies Used: TensorFlow, Keras, Python, PIL (Python Imaging Library), NumPy, Matplotlib.

Plagiarism Checker

Jan 2024

- Engineered a plagiarism detection tool using NLP and machine learning techniques to analyse and compare textual content.
- Developed an intuitive interface for users to easily submit documents for plagiarism check, providing detailed reports on potential similarities and sources of plagiarized content.
- Technologies Used: Python, Natural Language Processing (NLP), Text Processing Algorithms, Machine Learning.

CERTIFICATIONS

- MySQL Basics by Great Learning Academy **Sep 2023**
- Foundational C# with Microsoft Developer Certification **Sep 2023**
- Programming for Everybody using Python, Coursera (University of Michigan) **Sep 2023**
- Google Certified Professional Machine Learning Engineer **Jul 2023**
- TCS iON Career Edge - Young Professional (Communication Skills) **Jun 2023**

EXTRACURRICULAR ACTIVITIES

- Active Member of the Student Council, contributing significantly to organizational and event management tasks.
- Demonstrated leadership skills in coordinating team activities, planning and executing school events, and representing student interests.