PRAJWAL GURNULE

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# Education

Wardha, Maharashtra, India

[](https://linkedin.com/in/ninad-lunge/) [prajwal-gurnule [](https://github.com/Ninad-Lunge) [prajwal-gurnule](https://github.com/prajwalgurnule) [LeetCode: Prajwal Gurnule](https://leetcode.com/u/PrajwalGurnule/)](https://www.linkedin.com/in/prajwal-gurnule/)

**Bachelor of Technology in Computer Engineering Dec 2021 - Present**

*Bajaj Institute of Technology, Wardha, Maharashtra CGPA: 8.32(Till Sem IV)*

# Technical Skills

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

**Databases**: MySQL, Firebase **Frameworks**: Flutter, Flask, Streamlit

**Technologies/Tools**: Git, GitHub, Figma, Arduino

# Projects

**Computational Drug Discovery using MLM** *| [](https://github.com/Ninad-Lunge/AI-Based-Customer-Retirement-Planner)* [**Github Link**](https://github.com/prajwalgurnule/Computational-Drug-Discovery) **Mar 2024 – May 2024**

* Developed a Robust **Machine Learning Model** that uses pharmacology data from the ChEMBL Database and train a model that can predict the activity of a potential drug based on its chemical and molecular properties based on that are critical in the drug effectiveness.
* Identified and proposed three possible drugs targeting proteins that are ideal for the Prostate Cancer treatment based on the **Classification Model** in machine learning considering **Mean Squared Error** as the Evaluation Parameters.
* Predicted the drug **binding affinity score** by using **Clustering** that is usefull for Pharmaceutical scientists to design drug.
* Deployed a **Streamlit Web portal** application that filters a dataset of **Food and Drug Administration (FDA)** approved drugs based on **Lipinski’s rule** of five, a rule used in drug discovery in which drug are predicted based on changes in the Lipinski parameters and useful for pharmaceutical researcher to sort out drug

**Sentimental Analysis For Hotel Review** *| [](https://github.com/Ninad-Lunge/SustainX)* [**Github Link**](https://github.com/prajwalgurnule/Sentimental-Analysis-for-Hotel-Review) **Aug 2023 – Dec 2023**

* Developed a **Flask Web application** for Traveler to get the sentiment of the Hotel review in form of Emoji’s (either Positive, Negative or Neutral).
* Integrated a **Machine Learning model** that can perform sentiment analysis on hotel reviews to determine the overall sentiment expressed in the review based on the data of **TripAdvisor.com**.
* Researched and implemented various **Machine learning Algorithms** including Naive Bayes, Logistic Regression, Support Vector Machines (SVM), and Random Forests, to identify the most effective algorithm for sentiment analysis of hotel reviews.
* Evaluate the performance of each algorithm using **Standard evaluation metrics** such as accuracy, precision, recall, and F1-score.

# Internship

**IBM SkillsBuild Artificial Intelligence Internship Aug 2023 – Oct 2023**

*Edunet Foundation*

* Virtual Internship conducted in collaboration with All India Council for Technical Education (AICTE) and Edunet Foundation and developed an application in Python using the ML models that detect the sentiments of people’s reviews about the restaurant as positive, negative or neutral allowing categorization of reviews and making easy for rating.

**Cisco Cyber Security Virtual Internship May 2023 – Jul 2023**

*Cisco Networking Academy*

* Dive deep into the fascinating world of cybersecurity and gain invaluable knowledge and skills. Earned three prestigious certificates : Introduction to cybersecurity, Cybersecurity Essential, Introduction to Packet Tracer. Deployed a project that create a visual representation of packet flow from student desktop to external network outside of college campus.

# Positions of Responsibility

**Google Developer Student Clubs (GDSC) BITW Aug 2023 – Aug 2024**

*Graphic Designer*

* Responsible for designing e-poster and post’s banner using Figma, UI/UX, Adobe Photoshop.
* Coordinated on various diverse range of events, both in-person and virtual, covering topics such as Cyber Security, Frontend Web Development, and Google Cloud for club members and college students.

**College Forum Network’ BIT Aug 2023 – Aug 2024**

*Graphic Committee In charge*

* Responsible for creating and designing all events banner, posters and visuals.
* Coordinated and Organized all the events under Forum such as PC Building Auction event, E- Sports event ,Cultural Fest.