Lavanya Kumari

Phone: +91 9321830699 | Email: lavanya2004kumari@gmail.com
|LinkedIn: https://www.linkedin.com/in/lavanya-kumari-2bbb36251/

Education

VIT Bhopal University — Bhopal, Madhya Pradesh
BTech — Expected May 2026
Major in Computer Science;
Cumulative GPA: 9.04/10

12th Standard
Ryan International School — Navi Mumbai, Maharashtra
CBSE 84% — Jul 2022

10th Standard
Apeejay School — Navi Mumbai, Maharashtra
CBSE 90.2% — Jul 2020

Projects

Library Database Management System — Sep 2019 – Oct 2019

- Python and MySQL were used to engineer the database management system.
- Tables used for developing the system were Members (for the student issuing the book), Books (for the books available) and Transaction (for issuing and returning the books with late fee receipts).
- This system can be used to improve overall library issue records, transaction and book availability management.

Breast Cancer Detection Using Machine Learning — Nov 2022 – Dec 2022

- Trained the machine on UCI database for breast cancer containing 569 cancer cell records and 13+1 attributes.
- Libraries like Matplotlib and Seaborn were imported for data visualisation and pandas for data processing along with Sci-kit Learn to import various classification, regression and clustering algorithms.
- Algorithms like KNN, random Forrest, and Logistic Regression were observed for their prediction accuracy by plotting the calculated values using ROC Curve and confusion matrix.

Heart Disease Detection Using Machine Learning — Sep 2023 – Oct 2023

- Trained the machine on a Kaggle database for Heart problem containing 1025 patient records and 13+1 attributes.
- Libraries like Matplotlib and Seaborn were imported for data visualisation and pandas for data processing along with Sci-kit Learn to import various classification, regression and clustering algorithms to observe their prediction accuracies.
- Support Vector Machine (SVM) was particularly used to train the machine because of its better performance in predicting the target accurately
- Designed a website for the patients to enter their test results to get diagnosed at home if they have heart disease or not without the hassle of sitting in a long queue for a doctor's assistance.

Activities

Lawn Tennis — Apeejay School

- Represented School in interschool lawn tennis competition.
- Advance player in NMSA (Navi Mumbai Sports Association) – 6 years

Taekwondo — NTA (Nitin Taekwondo Academy)

- Black-Belt certified from WTF (World Taekwondo Federation Korea). – 6 years

Meraki: The Fine Arts Club VIT Bhopal – Ongoing
Core Team member (Event Management Team)

- Worked on events organised by the club as a part of the main fest of the college called Advitya.

Certifications

- Professional Course in IBM Data science (Coursera) – with Badge
- Prof Course in Google IT Automation with Python Specialization
- Natural Language Processing (NLP) with Python (Udemy)
- NPTEL Cloud Computing (Gold Medallist – top 1%)

Additional

Technical Skills: Python, MySQL, Machine Learning
Languages: Hindi, English
Hobbies: Lawn Tennis (Advance player), Sketching, Painting