

SRAJAL TIWARI

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LinkedIn Github CodingNinjas Leetcode

SKILLS

Programming skills: C/C++, Python, SQL

Libraries: Pandas, Numpy, Matplotlib, Scikit-learn, Seaborn.

Core Competencies: Basics of DSA, Machine learning, Operating System, DBMS.

Tools & Platforms: Google Colaboratory, Kaggle, Cursor IDE, MySQL Workbench, VS Code, Docker.

EDUCATION

Babu Banarsi Das University, Lucknow

B.Tech in Computer Science and Engineering \$\$Artificial Intelligence\$\$

Expected Graduation: 2027 | CGPA: 8.3/10 \$\$First Year\$\$

PROJECTS

Spam Email Prediction Model -- GitHub

April 2025

Developed a logistic regression model to classify emails as spam or ham, achieving 96.77% training accuracy and 96.68% test accuracy using Python and scikit-learn.

Applied TF-IDF vectorization to transform email text into numerical features, optimizing for accurate spam detection. Enhanced model performance through hyperparameter tuning and robust text preprocessing.

Rock vs. Mine Prediction Model -- GitHub

May 2025

Developed a logistic regression model to classify sonar signals as rock or mine, achieving 83.42% training accuracy and 76.19% test accuracy using Python and scikit-learn.

Processed 208 sonar data samples with 60 features, splitting into 90-10 train-test sets using stratified sampling for balanced evaluation. Demonstrated effective feature understanding and binary classification techniques on real-world sonar data.

Diabetes Prediction Model -- GitHub

May 2025

Built a logistic regression model on the PIMA Indian Diabetes dataset using Python and Scikit-learn, achieving 77% test accuracy through EDA, feature selection, and model tuning.

Compared models \$\$Logistic Regression\$\$ and evaluated performance using confusion matrix and classification report. Integrated data visualization and EDA to uncover key trends influencing diabetes prediction.

EXPERIENCE

Artificial Intelligence Intern â Codec Technologies \$\$Remote\$\$

March 2025 â May 2025 â Certificate

Applied AI concepts including supervised/unsupervised learning and reinforcement learning.

Built and evaluated machine learning models using Python and key ML frameworks.

Participated in real-world AI projects involving data cleaning, preprocessing, and model optimization.

CERTIFICATION

AI Engineer Certification, One Roadmap \$\$View\$\$

May 29, 2025

Completed projects on supervised and unsupervised learning algorithms.

Python Certification, One Roadmap \$\$View\$\$

May 21, 2025

Practiced Python programming, data structures, and functional logic.

SQL Certification, One Roadmap \$\$View\$\$

May 21, 2025

Worked on SQL queries, joins, and real-time database management.

Cyber Security Virtual Experience, Deloitte \$\$Forage\$\$

Simulated threat analysis and cybersecurity risk mitigation tasks.

Data Analytics Virtual Experience, Deloitte \$\$Forage\$\$

Performed data analysis and forensic technology simulations.

ACHIEVEMENTS

Participated in Ninja Slayground 2.0, a competitive coding event by Coding Ninjas.

Attended the Google GDG Program in Lucknow and earned verified participation badges.