

# SHRUTI KHANDELWAL

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## EDUCATION

<b>Indian Institute of Technology, Hyderabad</b>	Oct 2022 – May 2026
<i>Bachelor of Technology in Biotechnology &amp; Bioinformatics</i>	CGPA – 8.20
<b>Jawahar Navodaya Vidyalaya, Umaria</b>	July 2019 – Mar 2021
<i>Senior Secondary(+2)</i>	94.8%

## PROJECTS

### Handwritten Digit Classification | [Link](#)

- Designed a CNN model on the MNIST dataset, achieving **98.57% accuracy**.
- Implemented a **5-layer deep learning architecture** with ReLU and Softmax.
- Optimized training using the **Adam optimizer** and **cross-entropy loss**.

### Spam Email Detector | [Link](#)

- Built an **NLP-based spam detection system** using Naïve Bayes and Logistic Regression.
- Achieved **98% accuracy** through feature engineering and hyperparameter tuning.
- Optimized model scalability and robustness for high precision.

### Customer Churn Predictor | [Link](#)

- Developed and Deployed an **ANN model** with **87.5% accuracy** for customer churn prediction.
- Preprocessed large-scale customer data, handling imbalanced distributions.
- Built a **Streamlit-based web application** for real-time predictions.

## SKILLS

- Programming Languages:** C++, Python, SQL, HTML5, CSS, JavaScript
- Libraries/Frameworks:** Numpy, Pandas, Tensorflow, Scikit-learn, Streamlit
- Tools and Technologies:** Git, Github, VScode, Windows, Linux, Jupyter Notedbook, MySQL

## RELEVANT COURSES

- CS/AI Academic Courses:** Intro to Programming, Intro to AI/ML, Machine Learning for Bioinformatics
- Mathematics Courses:** Probability and Random Variables, Calculus, Linear Algebra, Differential Equations
- Complete Data Science, Machine Learning, DL, NLP and Transformers Bootcamp by Udemy | [Link](#)

## ACHIEVEMENTS

- Participated in **Convolve 3.0 – A Pan IIT AI/ML Hackathon**
- Solved **500+** DSA problems on various coding platforms like Geeks for geeks, Leetcode, etc.

## EXTRACURRICULAR

- Workshop Coordinator - Elan & nVision'23, IIT Hyderabad,** Organized technical workshops, coordinated with industry experts to deliver insightful and impactful sessions.
- Internship Coordinator – Office of Career Service, IIT Hyderabad,** Engaged with **12** companies and successfully convinced **two** companies to visit our campus and managed end-to-end internship process.