

# Neelima Singh

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## Education

<b>Indira Gandhi Delhi Technical University For Women (IGDTUW)</b> <i>Bachelor of Technology in Computer Science with Specialization in Artificial Intelligence CSE-AI (GPA: 9.2 / 10.0)</i>	2024-2028 Delhi
<b>RPVV A-6 Paschim Vihar</b> <i>Central Board Of Secondary Education (CBSE) XII (Percentage: 91.8)</i>	2023-2024 Delhi
<b>RPVV A-6 Paschim Vihar</b> <i>Central Board Of Secondary Education (CBSE) X (Percentage: 94.4)</i>	2021-2022 Delhi




## Experience

### IGDTUW

#### Summer Intern

- Built an Sign Language Detection web app achieving **90%+ gesture recognition accuracy** using ML models.
- Integrated the ML model into a web app using React.js, Node.js, Express, and MongoDB.
- Collaborated in a **4-member team** using Git, reducing merge conflicts by **80%**.

## Projects

<b>Diabetes Prediction Model</b>   Python, Machine Learning 	July 2025
<ul style="list-style-type: none"><li>Analyzed <b>768 patient records (Kaggle dataset)</b> using <b>8 medical features</b> for diabetes risk classification.</li><li>Implemented cross-validation and achieved an average F1-score of <b>0.79</b>, ensuring model robustness.</li><li>Implemented and compared <b>Logistic Regression (79.8% accuracy)</b> vs. <b>KNN (78.5% accuracy)</b> with preprocessing.</li></ul>	
<b>Fake News Detection</b>   Python, Scikit-Learn, Pandas 	June 2025
<ul style="list-style-type: none"><li>Developed a machine learning model to classify news articles as real or fake, achieving <b>92% accuracy</b> on test data.</li><li>Applied TF-IDF vectorization on <b>6,000+ articles</b> for effective text preprocessing and feature extraction.</li><li>Validated model performance with a <b>confusion matrix</b> and metrics like precision</li></ul>	
<b>FinBuddy</b>   Python, ReactJS, Tailwind CSS, NodeJS, Express JS 	April 2025
<ul style="list-style-type: none"><li>Engineered responsive React dashboards, improving user engagement by <b>35%</b>.</li><li>Built reusable Tailwind CSS components, reducing development time by <b>25%</b> across <b>10+ pages</b>.</li><li>Collaborated via GitHub with <b>3 teammates</b>, managing <b>50+ commits</b> and maintaining version control.</li></ul>	

## Technical Skills

**Languages:** C++ , Python

**Development:** React.js, Javascript, HTML, CSS , Bootstrap

**Concepts:** Machine Learning, Data Structures and Algorithms , DBMS

**Tools:** Version Control , Scikit-learn, Pandas, NumPy, Matplotlib , TensorFlow

## Achievements

### Solved 700+ DSA Problems (Sept 2025)

Strengthened **algorithmic thinking** and **coding efficiency** by solving 700+ DSA problems across LeetCode (300+), Codeforces (34), CodeChef (82), GfG (150+), CodeStudio (111).

### Shraman Foundation Scholarship (50,000/year, Sept 2025)

US(Texas) based Scholarship Awarded For academic Excellence

### Best Mentee DSA C++ Cohort (Aug 2025)

Recognized as Top 2 Mentee in Summer sprint challenge By TechNeeds IGDTUW .

### Adobe India Hackathon 2025 (Jul 2025)

cleared DSA Round (Round 1), ranked in the **top 5% (4,000 out of 80,000+ teams)** nationwide.

### Mentee – Amazon Future Engineer Program (Mar 2025)

Selected among **top 500 of 5,000+** participants for Phase 2 (DSA). Awarded a laptop for ranking in the **top 5%**.

### Vivo for Education Scholarship (50,000/year, Mar 2025)

Awarded to **top 5% students**, renewable for 4 years based on academic merit.