Geeta Garg

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Education

Indira Gandhi Delhi Technical University for Women, Delhi **CGPA - 8.69**
B.Tech. in Computer Science and Engineering in Artificial Intelligence *2022 - 2026*

Government co-ed Senior Secondary School, Dwarka, Delhi **Percentage - 85.2%**
CBSE - XII (PCM) *2020 - 2021*

Government co-ed Senior Secondary School, Bindapur, Delhi **Percentage - 93.2%**
CBSE - X *2018 - 2019*

Projects

Resume Metrics | Code | Link **June 2024**

- Built an ATS-focused resume builder with dynamic section rendering, real-time preview, and one-click PDF export.
- Implemented keyword-based job description analysis and client-side validation using modular JavaScript architecture.
- Tech Stack: HTML, CSS, JavaScript, LocalStorage, html2pdf.js

Portfolio | Code | Link **April 2023**

- Designed and developed a responsive personal portfolio to showcase projects, technical skills, and achievements.
- Optimized layout using structured CSS and media queries to ensure cross-device compatibility.
- Tech Stack: HTML, CSS, JavaScript

Skills

Programming Languages: C++, Java, SQL, JavaScript
Developer Tools: VS Code, GitHub, Google Colab, IntelliJ
Soft Skills: Teamwork, Problem-Solving, Communication skills, Adaptability
Course Work: Data Structures and Algorithms, Object Oriented Programming, Database Management Systems, Operating Systems, Computer Networks, Machine Learning, Deep Learning

Research Paper & Publications

Federated Learning with CNNs and ResNet50 to Detect Polycystic Ovarian Disease | Code

- Built a privacy-preserving PCOS image classification system using CNNs and ResNet50 (99.22% accuracy) with FedAvg-based federated learning. Paper accepted at **DOSCI 2026.**

Prediction of Polycystic Ovarian Syndrome using Explainable Machine Learning Techniques | Code

- Developed ML models for PCOS detection where Random Forest achieved 95.89% accuracy with feature selection and SHAP-based interpretability. Paper accepted at **COMSIA 2026.**

Detection of Glaucoma Disease Using Deep Learning Methods | Code | Paper

- Applied transfer learning (AlexNet, VGG16, ResNet50, GoogLeNet) for glaucoma detection achieving 89.28% accuracy. Paper published by **ICDPN 2024.**

Positions of Responsibility

Management Relations Head in TNP IGDTUW

- Maintaining placement records and company communication by managing student data and deadlines.

Team Lead, Resource Management in IGDTUW Resources

- Led academic resource curation and engagement initiatives for a student community of 500+.

Achievements

Earned 100-day streak badge on **LeetCode.**
Leading a 900+ member **Telegram community** for sharing semester and technical resources.
Selected for **PwC Technology & Transformation Launchpad Program 3.0.**
Scored **100% in CBSE Class X Mathematics.**