# Harshita Rathee

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## EDUCATION

**Indira Gandhi Delhi Technical University for Women,** B.Tech Computer Science Engineering  2020 – 2024
CGPA: 8.98  Delhi

## INTERNSHIP EXPERIENCE

**Expedia Group,** Data Engineering Intern  05.2023 – 07.2023
Worked on 2 projects: (i)Improve accuracy for Isolation Forest model using custom algorithm for linear trends,
(ii) Implementation of Feedback Loop algorithm for anomaly detection | **Tech stack:** Python

**Centre for Development of Advanced Computing,** Summer Intern  06.2022 – 07.2022
Conducting research on EEG signals using neurocybernetics using WGAN models based on BCI data

**Corporate Gurukul in association with HPE Education Services and STMI NUS,**  06.2021 – 09.2021
Data Analytics and Deep learning intern
Data Analytics using Deep Learning | Worked on 2 projects: EEG signal classification and a capstone project
(projecting sales figures using the LSTM DL model) | Role: Team lead

## PROJECTS

**WattWise** ⌨  03.2023
Platform to monitor electricity consumption & conserve electricity based on LSTM DL | Offers visual
representation of data & predicts future consumption | **Tech Stack:** NodeJS, ReactJS, Pytorch, Firebase.

**eVaidya,** JPMC: Code for Good ⌨  07.2022
Platform to connect Medical Practitioners, Patients, and Doctors for basic healthcare needs of rural people | **Tech
Stack:** HTML, CSS, JS, Bootstrap, jQuery, Django, Python, Microsoft Azure Cognitive Services, SQLite

**Spring,** Microsoft Epic Challenge Runner's up, Microsoft Imagine Cup Runner's up ⌨  11.2021
Aimed towards increasing the inclusion of senior citizens in the technical domain through proven methods |
Aimed to impact 138M+ elderly | **Tech Stacks**: HTML, CSS, Js, Flutter, Python, Azure

**YouTube Like Predictor** ⌨  11.2021
Predict the number of likes a video can get by entering a few values | Was responsible for the backend of the
website | **Tech stack**: Python & libraries, Flask, HTML, CSS, Bootstrap.

**EEG signal classification**  09.2021
Built a classification model of the ECG signal (normal and seizure) data using RSFS Extracted the most
contributing features using RSFS & achieved an accuracy of **99.67%** | **Tech stack**: Python, DT, LSTM.

## SKILLS

**Languages:** (C , C++ , Python , SQL), **Development:** (HTML , CSS , JavaScript , Bootstrap framework),
**Libraries:** (NumPy, Pandas, Scikit-Learn, Matplotlib, PyTorch),
**Others:** (GitHub, Figma, Canva, Azure, Google Colab, Excel, Powerpoint, Word, OOPS(C++, Java)),
**Soft Skills:** (Leadership, Teamwork, Critical Thinker, Active Listener, Growth Mindset, Adaptability.)

## CERTIFICATES AND ACHIEVEMENTS

**Global Top 100: Google Solution Challenge 2023** ⌨

**Runner Up,NetApp Women Innovathon (01/22 - 05/22)** ⌨
Cash prize of 1 lakh INR

**Winner, Republic Day Petrichor in Innovative India'22** ⌨

**Finalist at JPMorgan Chase's Code for Good Hackathon 2022**

**Completed 30 Days of Google Cloud Program 2021** ⌨

**Coursera: Getting Started with Azure DevOps Boards** ⌨

**Coursera: Visualizing Filters of a CNN using TensorFlow** ⌨

**India Runner Up, Microsoft Imagine Cup 2022 (02/2022)** ⌨
Project: Improve the lifestyle of senior citizen: Cash Prize: Rs.8k

**Asia Runner Up, Microsoft Epic Challenge 2022 (10/2021)** ⌨

**Microsoft Technology Associate: Introduction to
Programming Using Python** ⌨

**Coursera: HTML, CSS & Javascript for Web Developers** ⌨

**Probability for Computer Science: NPTEL Certification** ⌨

**Semi-Finalist in SmartIDEAthon-2022**

## PUBLICATIONS

**Machine Unlearning for Recommendation Systems: An Insight,** Springer Lecture Notes on Networks and  2024
Systems, International Conference on Innovative Computing and Communication, Rathee H et al.,
Preprint: ArXiv ⌨

**Advancing Parkinson's Disease Detection: An Empirical Evaluation of Machine Learning Models based**  2023
**on Speech Analysis,** IEEE Xplore, 2023 6th International Conference on Contemporary Computing and
Informatics, Rathee H, Sachdeva B et al. ⌨

**Role of Social Media in Causing and Mitigating Disasters,** International Journal for Resilience in Fire, Safety  2021
& Disasters, Vol. 1, No. 2, pp. 52-58, Sachdeva B, Rathee H and Tiwari N ⌨

## COMMUNITY INVOLVEMENT

**Vice President, AI Club - IGDTUW**  02.2023 – present

**Content & Creative Lead - GirlUp Aadya, UN Foundation**  2022 – 2023

**ML/AI Mentor at GDSC IGDTUW**  2021 – 2022