

# ABCDE SINGH

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## Academic Qualifications:

Course	College/School	% / CGPA
B.tech in I.T (2015-2019)	Netaji Subhas Institute of Technology, University of Delhi	9.4
Class XII (2015)	A.E.S. NT Rama Rao Mem. Senior Sec. School	95
Class X (2013)	Sanjeevani Public School (SPS)	95

## Technical Skills:

- ➔ **Languages:** C, C++, Java, C#
- ➔ **IT Constructs:** DS and Algorithms, OOPS, OS and DBMS
- ➔ **Development tools:** Microsoft Visual Studio, Unity 3D, Pycharm, Netbeans
- ➔ **Frameworks:** Spring, Angular, React
- ➔ **DB language:** SQL

## Internships:

- ➔ **Software Intern, Samsung Research Institute, Noida (May 2018-july 2018):** worked as a part of Advanced R&D(Web Services) team to develop solutions for Mobile platform. Modules Undertaken are: ChromeCustomizations, WebManual, HTML Viewer, Chrome, Webview.
- ➔ **Research Intern, IIT Delhi (Nov 2017 – Dec 2017):** worked on image based aggression sentiment judgement for Violence Detection in social media based video platforms. It aimed at warning and auto reporting of sensitive material shared as a video on social media platforms.

## Projects:

- ➔ Project on Artificial Neural Network's **architecture** as well as **weight optimization** using Hybrid Meta-Heuristic Techniques using **Grasshopper Optimization Algorithm and Simulated Annealing**.
- ➔ **Sunshine Weather App** – A Fully featured Weather Forecast android application implemented with all the best practices like content providers, **loaders**, notifications, services, **Shared Preferences**, map intents, networking, **View Recycling** and many more.
- ➔ **Improvement for audio video-frame detection and correction** for visual media platforms, aiming frame recovery from corrupted pixels and fixing the video feed quality, useful in video based social media platforms
- ➔ Development of more efficient **NLP frameworks** (unification of **PNCC**, **GMM-UBM** and **i-Vector** Techniques), aiming to improve speaker voice recognition models as proposed till date, useful for speech recognition, translation and speaker identification purposes.

## Extra-Curricular Activities and Achievements:

- ➔ Won Best student branch award, IEEE-NSIT, 2019
- ➔ Currently having **GFG rank-32** and **SPOJ world rank- 171**
- ➔ Secured 2<sup>nd</sup> rank in Code\_in\_less Hackathon at IIIT, Delhi
- ➔ Cleared both the phases of Udacity **Google India Challenge**