

# MACHINT SETHI

2K22/SE/109

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## EDUCATION

B.TECH (Software Engineering)	2022-26	Delhi Technological University, New Delhi	7.83 CGPA
CBSE (Class XII)	2022	St. Mary's Senior Secondary School, Ambica Vihar, New Delhi	87.8 %
CBSE (Class X)	2020	St. Mary's Senior Secondary School, Ambica Vihar, New Delhi	86.17 %

## ACADEMIC PROJECTS

### Real Time Iris Detection using MediPipe and OpenCV - [Github Link](#)

- Built a Real-time Iris Detection and Tracking system using **Python, OpenCV and MediaPipe**
- Collected and processed facial landmark data **to estimate Iris center** and gaze direction with frame-wise accuracy
- Applicable in gaze tracking for **Driver Monitoring, Accessibility tools and Human-computer Interaction System**

### Resume Analyzer Using NLP - [Github Link](#)

- Developed a web-based application that analyzes and scores resumes using NLP, Python, MySQL, StreamLit, and algorithms, providing actionable feedback and personalized career recommendations.
- Implemented automated Resume Parsing, Skill Gap analysis, Job Role Prediction, Course Recommendation and Scoring the Resume achieving 92% accuracy in section extraction and 88% accuracy in skill detection.
- Enabled users to improve resume quality, with 78% of surveyed users reporting increased interview callbacks after using the tool

### Collaborative AI powered Learning Tool with OCR and NLP – [Github Link](#)

- Co-developed "MeowTutor-AI"**, an AI-powered educational assistant built with **Streamlit**, in collaboration with two teammates. It processes both text-based and scanned PDFs using **Tesseract OCR, Poppler**, and **pdf2image**.
- Engineered smart learning features** like **Neural Read** (automated content summarization/explanation) and **Quiz Attack** (AI-generated quizzes) using **NLP** and **deep learning** techniques.
- Designed a modular, cross-platform backend leveraging **PyMuPDF, PyPDF2**, and OCR pipelines, deployable via streamlit run, for interactive and intelligent PDF tutoring.

## ACADEMIC ACHIEVEMENTS AND AWARDS

- Solved more than 700+ questions across platforms like Leetcode, GFG, Code360, Codechef- [Profile](#)
- Among the Top [75 Coders](#) out of 40,000+ participants in Amazon Hackathon- [Participation Certificate](#)
- Current LeetCode Rating- 1600+

## TECHNICAL SKILLS

- Programming Languages-** C++, Python
- Courses-** DSA using C++, Algorithms Design and Analysis, OOPS, Operating Systems, DBMS, Machine Learning, Deep Learning
- Developer Tools & VCS-** Git, Github, VS Code, Jupyter, UML, Google Collab, MySQL

## POSITIONS OF RESPONSIBILITY

- Student Mentor, Desh Ke Mentor Initiative of Govt. of NCT of Delhi (JAN 2023-APR 2023)**  
Mentored students of 10<sup>th</sup> and 11<sup>th</sup> grade under the DKM initiative of Delhi Govt.  
Guided the mentees about various career options
- Volunteered as an Educator under Community Upliftment program under a registered NGO**  
Taught basic Python to 100+ underprivileged students as part of a community tech- literacy initiative

## EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- Awarded Bronze Medal in the SOF Mathematics Olympiad (2019)**
- Runner Up in the Inter-Zonal Kho-Kho championship (Delhi) involving 15+ schools;**  
**demonstrated strong teamwork and athletic discipline**