HARDIK TYAGI

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PROFESSIONAL SUMMARY

A Result-driven enthusiast Computer Science undergraduate specializing in Artificial Intelligence and Machine Learning with strong skills in Python, data analysis, and deep learning. Experienced in building end-to-end Data Science projects such as Brain Tumor Detection, Virtual Mouse using Hand Gestures, and a Resume Analyzer. Proficient in data preprocessing, model development, and performance evaluation. Strong grasp of Data Structures and Algorithms with a passion for solving real-world problems using data.

TECHNICAL COMPETENCIES

C++ | PYTHON | MACHINE LEARNING | SQL | DEEP LEARNING | NATURAL LANGUAGE PROCESSING | PANDAS | NUMPY | MATPLOTLIB | TENSORFLOW | SCIKIT-LEARN | MS Excel | Power BI

INTERPERSONAL SKILLS

Problem Solving | Self-Motivation | Team Leadership | Critical Thinking

INTERESTS & HOBBIES

Coding | Playing and Watching Cricket

PERSONAL DETAILS

Mother's Name:
Babita Devi
Father' Name:
Dhirendra Tyagi
D.O.B.:
27th December,2005

EDUCATION

Chandigarh University, India **2022-2026**

- Bachelor of Engineering (Computer Science & Engineering) Hons. (with specialization in Artificial Intelligence & Machine Learning) | *CGPA: 8.05*

Dev Memorial Public School, (Hapur, Uttar Pradesh) **2020-2021**

- CBSE (Class XII), Aggregate: 77.17

DR International School, (Hapur, Uttar Pradesh) **2018-2019**

- CBSE (Class X), Aggregate: 72

TRAINING & PROJECTS

Resume Analyzer & Job Matcher

Tech stack: Python, pandas, Scikit-learn, NLTK, PyPDF2, spaCy, Streamlit

- Built a resume Analyzer using NLP techniques (spaCy, NLTK) and Streamlit to extract, analyze, and score resumes based on job description matching.
- Integrated keyword extraction, PDF parsing, and Machine Learning (scikit-learn) to provide real-time resume insights and ranking.

Early Brain Tumor Detection System (*live Project*)

Tech stack: Python, NumPy, Pandas, TensorFlow, Plotly, Pillow, Streamlit

- Built a deep learning model using TensorFlow to classify brain MRI scans into tumor types with the accuracy of 95%.
- Integrated a Streamlit web app for real-time image upload, preprocessing, and prediction using a CNN-based architecture.

Virtual Mouse using Hand Gestures (*GitHub Link*)

Tech stack: Python, NumPy, OpenCV, MediaPipe

- Developed a computer vision-based virtual mouse using MediaPipe and OpenCV to control cursor movements via hand gestures.
- Implemented real-time hand tracking for click and movement functionalities, enhancing human-computer interaction.

ACADEMIC ACHIEVEMENTS

- Maintained 40% scholarship throughout the academic journey from Chandigarh University.
- Contributed in IEEE computer Society of Chandigarh University.

EXTRA CURRICULAR & CO-CURRICULAR ACHIEVEMENTS

- **Chase the code:** Our team secured 2nd position in this competition.
- Member of Winner Team at district level cricket competition.

CERTIFICATIONS

- AWS Certified: Machine Learning Engineer – Specialty.
- Oracle Certified: OCI AI Foundations Associate
- IBM Certified: Predictive Analytics using IBM SPSS Modeler
- CodeHelp Certified: Data structures and algorithms
- Supervised Machine Learning: Regression and Classification (Stanford & Coursera)