

# Dheeraj Chandra

Email-id : [chandradheeraj123@gmail.com](mailto:chandradheeraj123@gmail.com) | Mobile No.: 8077636009

Github - [Dheeru1801](#) | LinkedIn - [Dheeraj Chandra](#)

## EDUCATION

Year	Degree/Exam	Institute	GPA/Marks(%)
2022 - Present	B.TECH CSE with specialization in Artificial Intelligence and Data Science	Graphic Era University Dehradun	8.9/10
2021-2022	12 <sup>th</sup> , C.B.S.E	Shining Star Senior Secondary School	94.00%
2019-2020	10 <sup>th</sup> , C.B.S.E	Shining Star Senior Secondary School	93.00%

## PROJECTS

- **Secure Ephemeral Workspace for public PC's** (March, 2025 – April-2025)
  - ❖ A secure, non-persistent desktop environment for public/shared PC's that automatically wipes all user data and logs from any application upon logout.
  - ❖ Integrated an **overlay filesystem** to ensure 100% temporary changes and **Environment variable redirection** for process isolation for enhanced security for over 100+ concurrent sessions.
  - ❖ Integrated **AES-256 encryption** and optional cloud sync, enabling users to securely back up and restore files with **under 2-second sync latency**.
- **Sentiment Analysis on E-commerce reviews** (Nov,2024 – Jan,2025)
  - ❖ Developed a system to classify e-commerce product as positive or negative and find out the resultant keywords using NLP and machine learning techniques.
  - ❖ Implemented models like **Random forest(with 89% accuracy and 0.78 F1 score )** and **SVM(support vector machine – 92% accuracy and 0.85 F1 score)** for sentiment classification.
- **Mini Image Search Engine**(Sept,2024-Oct,2024)
  - ❖ Built a mini image search engine using **SBERT** embeddings and clustering to semantically match user queries with relevant image groups.
  - ❖ Achieved Silhouette Score of 0.5 and high retrieval accuracy and response time of 400ms.
- **Mern Chat App** (Jan, 2024 - Feb, 2024)
  - ❖ Engineered a real-time chat application utilizing the **MERN** stack, incorporating MongoDB, Express.js, React.js, and Node.js.
  - ❖ Achieved instant message delivery with an average **latency of 200 milliseconds**
- **Multiple Face Recognition System(Using OpenCV)** (Jun, 2024 - Jun, 2024)
  - ❖ Implemented a face recognition solution capable of identifying multiple faces - More then 8 faces at same time leveraging OpenCV, LBPH Face Recognizer, and Haar Cascade Classifiers.
  - ❖ Achieved 95% accuracy in identifying the human faces. leveraging OpenCV, LBPH Face Recognizer, and Haar Cascade Classifiers.

## SKILLS

- **Languages** : Python (proficient), C (proficient), C++ (proficient), Java
- **ML and Deep Learning Tools and Libraries** : Tensorflow, Keras, OpenCV, NLP, Feature Engineering
- **Devops and Cloud Computing (AWS)**
- **Full-Stack Tools and Frameworks** : ReactJS, NextJS, NodeJS, ExpressJS, Bootstrap
- **Visualiazation Tools** : Tableau,Google Charts,PowerBI
- **Cloud Services** : AWS, Google Cloud Services

## CERTIFICATIONS

- **AWS Cloud Practitioner**
- **Microsoft Power BI Data Analyst Associate**
- **AWS Generative AI**
- **Microsoft Azure Data Fundamentals**

## ACADEMIC ACHIEVEMENTS

- Participated in internal Hackathon - **Neural Nexus** to build and solve problems using AI and ML based models.
- **Leetcode** - Solved Upto 400 problems on Leetcode
- **HackerEarth** - Earned the Explorer Badge on HackerEarth with 1500+ points