Gaurav Singh Mehra

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ACADEMIC DETAILS

Degree/Examination	University/Board	Institute	Year	CGPA/%
B.Tech (CSE)	Graphic Era University	Graphic Era Deemed to be University	06/2025	9.28
Higher Secondary Certificate	CBSE	Army Public School Clement Town	07/2021	94.4
Senior Secondary Certificate	CBSE	Army Public School Meerut Cantt	05/2019	95

SKILLS

- **Languages:** C | C++ | Python | Java | SQL
- **Tools and Libraries:** Firebase | Android Studio | Github | Streamlit | NLTK | Scikit-learn

PROJECTS

- **RailOps: Railway Management Suite** ⌘
  - Designed a web-based railway surveillance system utilizing AI/ML for crowd management, crime detection, and employee monitoring. Integrated YOLO and facial recognition for real-time responses, lost individual identification, automated threat detection, and seamless attendance tracking. Enhanced safety and efficiency for railway authorities.
  - Tech Stack: **React JS** | **Flask** | **face-recognition** | **YOLO** | **Python**

- **Criminal Identification and Mapping System using AI** *(IEEE Research Project)* ⌘
  - Implemented an advanced criminal detection and geolocation system, leveraging live CCTV footage analysis and employing facial recognition algorithms which uses deep learning and CNN for real-time identification and tracking of individuals with a criminal background.
  - Tech Stack: **Python** | **face-recognition** | **OpenCV** | **Folium**

- **Digital Asset Manager** 🌐 ⌘
  - Developed and deployed a full stack app for Digital Asset Management (DAM), integrating an In-browser Image Transformation feature, AI-powered Image Analysis and Tagging, and Image Optimization resulting in reduction in image loading time and improved user experience.
  - Tech Stack: **ReactJS** | **Firebase** | **Imagga API** | **SCSS**

- **Stock Price Prediction System using Machine Learning** ⌘
  - Implemented sophisticated machine learning with XGBoost regression for precise stock price forecasting. Created an user interface on Streamlit and hosted the system on the Streamlit community cloud
  - Tech Stack: **Python** | **Streamlit** | **XGBoost**

INTERNSHIPS

- **Content Development Intern** (OPPO)   Letter Of Recommendation
  (Jan'22 - March'22)
  - Did content creation and delivery on Oplus gaming platform, engaging diverse users with captivating materials.
  - Worked with a team of talented individuals for creating and delivering high quality content to gather engagement from real time users.

ACHIEVEMENTS

- **Techsurf 2023** Finalist in Contentstack Techsurf Hackathon 2023 among 34k+ participants.

- **ASIANCON** presented and published my research paper in 2023 3rd Asian Conference on Innovation in Technology.

- **Smart India Hackathon** Won the Internal Hackathon of SIH 2023 at Graphic Era Univeristy.

- **Coursera** mastering Data Analysis with pandas.

- **Google Cloud Career Practitioner** completed GCCP 2022 program.