SUVANSH ARORA

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EDUCATION

- **IIIT Jabalpur** — Jabalpur ,MP India
  Master of Technology - Computer Science and Engineering; CGPA: 8.3 — *Sept 2020 - July 2022*
  Courses: *Network Security and Cryptography, Digital Watermarking, Clustering Algorithms*

- **Chandigarh University** — Mohali,Punjab India
  Bachelor of Engineering - Computer Science; CGPA: 8.4 — *July 2016 - June 2020*
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases*

SKILLS SUMMARY

- **Languages**: C++/C, Python, Java, SQL
- **Utility**: Linux, Windows, LaTeX
- **Tech Stack**: Git, Rest API, Jenkins, Venv, Socket, Swagger-codegen, SDK, Mock-Server

PROJECTS

- **Secure Client-Server Model**: Implemented a Client server communication that is secured using S-AES algorithm and digitally signed before transmitting. [Github: Client-Server comm. model.] [AES , Digital Signature, Socket, C language] (Apr 2021)

- **Detect Image Alteration** : Designed a safe mechanism to transmit image using digital watermarking, encryption and image filtering over a network. [Github: Image watermarking.] [Digital Water Marking , Dct, Dwt, Python , CV] (Jan 2021)

- **Image clustering and rotation search**: Developed an algorithm to cluster similar images, search disoriented images and match it with the original images. [Github: Clustering-Rotation search.] [CNN , Clustering [Agglomerative], Python] (Aug 2020)

COURSES

- **Coursera**: Machine Learning By Stanford University
- **Cetpa-Infotech**: Machine Learning and Applications; Ethical Hacking
- **Nptel**: Introduction to Automata and languages; Data Structures and Algorithms using Python; Problem Solving through C; Design and Analysis of Algorithms using C

EXPERIENCE

- **DELL EMC(Graduate Intern(SDE))** — Onboard
  Pune, Maharashtra — *July 2021 - July 2022*
  - **Python Uplift**: SDK Build process
  - **CLI Implementation**: Isilon Rest APIs
  - **Crawler.**: Fetches nodes info and stores it in csv.
  - **Security Parser**: Used Tries in order to find diff(Anomalies on cluster)
  - **Testing Framework for SDK**: Designed Mock Server to test SDK

- **AMC Pvt. Hospital(Intern(SDE))** — Onboard
  Uttarakhand — *Jan 2020 – Apr 2020*
  - **Database Management**: Stores and manages everything about patients and hospital. [Github: Hospital.]

ACHIEVEMENTS

- **Aspiring Minds** - Quantitative Aptitude Certified.
- **GATE qualified 95%** in 2020
- Long Challenge (Feb-2022) Codechef : **171/16755**

- Hackerrank - Problem Solving(Intermediate)
- **Hackerrank** - 5 star rated coder