SUVANSH ARORA

📞 +91-9876307748 | ✉ suvansharora07@gmail.com | 📇 suvansh-arora.com | 🔗 suvansh-arora | ⌗ suva007
📍 Bangalore, India

EDUCATION

IIIT JABALPUR
M.Tech in Computer Science
CGPA : 8.6 /10
Aug 2022 | Madhya Pradesh, India

CHANDIGARH UNIVERSITY
B.Tech in Computer Science
CGPA : 8.4 /10
July 2020 | Punjab, India

D.A.V
Secondary School
Grade : 89.8%
May 2016 | Uttarakhand, India

COURSEWORK

GRADUATE
Deep Learning
Un-supervised Machine Learning
Advanced Data structures
Software Engineering
Encryption & Cryptography using C
Digital Watermarking

UNDERGRADUATE
Operating Systems
Database management Systems
Computer Networks
Data Structures & Algorithms
Machine learning
Programming using Python
Computer Graphics
Unix Tools and Scripting

SKILLS

PROGRAMMING
Over 5000 lines:
Python ● C++
Over 1000 lines:
C ● Java
Familiar:
Html & Css ● Android ● MySQL ● PHP

UTILITY
Jenkins ● Jira ● Git ● Linux ● Docker ●
Swagger ● Agile ● Postman

TECH STACK
Postgresql ● Socket ● Mock-server ●
FastAPI ● REST APIs

LANGUAGES
English ● Hindi

EXPERIENCE

DELL EMC | Software Engineer
Unstructured Data Storage Division
July 2021 – Oct 2022 | Pune, Maharashtra
- **DataMover**: Developed 6+ RestAPIs & multiple CLI parsers in a complex Microservices based architecture, to take care of accounts & throttling management in a Powerscale cluster; This was part of a Datamover feature that helps customers transfer datasets amongst 160+ nodes clusters.
- **Security Parser**: Designed an Anomaly Detection tool for a FreeBSD cluster, that checks 16000+ Binaries to find out intruded Files on a Powerscale Cluster.
- **Crawler** : Helped in Resolving log4J Vulerability; achieved 100% Automation to gather security information through RestAPI for clusters.
- **Testing Framework**: Introduced framework for testing SDK for Powerscale, that saves 90-95% Hardware resources and development efforts for the team.
- **Backend Upliftment**: Resolved 50 + Security Vulnerabilities due to python2 in NAS Cluster Monitoring tool.

IIIT JABALPUR | Teaching Assistant
Sep 2020 – July 2021 | Jabalpur, Madhya Pradesh
- Tutored 52 1st year B.Tech students.
- Conducted Labs on Python & C, 3 Hours/Week.

PROJECTS

SECURE CLIENT-SERVER MODEL | ⌗
April 2021 – July 2021 | AES, RSA, Digital Signature, Socket, C, TCP-IP
- Implemented a Client - Server secure communication Model.
- Ensured 100 % security by using hashing algorithms like RSA & AES.

DETECT IMAGE ALTERATION | ⌗
January 2021 – March 2021 | Digital Water-Marking , DCT, DWT, Python , CV
- Designed a safe mechanism to transmit image using digital watermarking, Encryption and Image filtering over a network,
- Used Matrix transformation, Image compression, conversion and divide & conquer approach with DCT & DWT; PSNR - 100.

AUTOMATED HOSPITAL SOFTWARE | ⌗
January 2020 – April 2020 | Java, MySQL
- Helped in Storage & Management of 200+/Day patient records and other hospital information on SQL database.
- Digitised the billing process and other hospital operations.
- Fabricated an Interactive user interface using Java(awt, applet); Automation introduced Saves 2 to 3 Hours Weekly.

AWARDS

Year	Achievement	Organization
2022	18000 INR - Gift Cards (On Time)	DELL - Cu Escalation & Features
2022	171th/16755 and 140th/2916	Long Challenge Codechef | 🔗
2020	5216th / 100k	GATE - 2020
2020	Intermediate	Hackerrank | 🔗
2019	Quantitative Aptitude Certified (900/900)	Aspiring Minds