

# Aryanshu Verma

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## SKILLS

### TECHNICAL SKILLS & TOOLS

**Languages:** Java/JEE, Python, C++

**Frameworks:** Spring MVC, Spring Boot, Flask

**Testing Framework:** JUnit, Mockito, Selenium, TestNG, RestAssured, unittest

**DBMS:** MySQL, PostgreSQL, NoSql-Elasticsearch, MongoDB

**Cloud:** Pivotal Cloud Foundry  
**Monitoring:** Dynatrace

**Other Languages, Tools & Technologies:**  
HTML, CSS, JavaScript, Git, CI/CD Pipelines, Containers, Docker, Kubernetes, Postman, Offest, RabbitMQ, Apache Kafka, Linux/Unix, Agile, Jira, DevOps tools-Jenkins, Blackduck, Check-Marx, Sonarqube

### CORE CS

Operating System, Object Oriented Programming, Computer Networking  
Data Structure & Algorithms, Computer Architecture, System Design, Machine Learning

## EDUCATION

### IIIT GWALIOR

INTEGRATED B.TECH AND M.TECH  
IN INFORMATION TECHNOLOGY  
2017 - 2022 | Gwalior, INDIA  
CGPA: 7.67

### VKS PUBLIC SCHOOL

2016 | Moradabad, IN  
CBSE XII: 86.40%

### VKS PUBLIC SCHOOL

2014 | Moradabad, IN  
CBSE X: 95.0%

## EXPERIENCE

### DELL R&D | SDE

January 2022 - Present

- Involved in working all phases of **Software Development Life cycle (Design->Development->Testing->Deployment->Monitoring)** using **Java/JEE and Python Technologies**.
- Worked on Developing various **Microservices & RESTful APIs** for building a larger scale distributed system to process the data received from various Dell Enterprise servers(Computing & Storage servers such as Poweredge, Powerstore etc.) using **Java, Spring MVC, Spring Boot, Hibernate, Kafka**
- Worked with **Elasticsearch database(NoSQL) & PostgreSQL** to persist data and query data using Kibana console & SQL Developer respectively.
- Worked on the code coverage part i.e. worked on **unit testing using Junit, Mockito, RestAssured etc.** alongside worked on **Integration Testing** using Automation Test suite for APIs using **TestNG** for the same applications.
- Worked on **developing various microservices** to do the extraction of the highly compressed data using **Python**, for the exchange between applications used **RabbitMQ and Kafka Message broker** for achieving reliability, Scalability and decoupling.
- Involved in **Monitoring** all the Backend applications for my team, through **Dynatrace Dashboards(similar to Grafana)** for different Performance metrics (response time, availability of the services, Host's CPU & Memory utilization). If there is some misbehavior then generating alert notification(sending email, creating jira & Service NOW ticket) for the same.

### RAKUTEN | SOFTWARE ENGINEERING INTERN

June 2021 - Dec 2021 | Bangalore

- Worked on developing a visual layout comparison feature for an Automated Testing Platform using **Python**
- The feature was about to verify whether a particular website is rendering properly on different devices through automation instead of manual UI testing, by capturing location of all the components of website and re scaling it with the compared resolution.
- Tech stack involved in the development are **Python, Writing Automation scripts using Seleium & Webdriver for capturing location of elements, Image Processing**.

### FINDMIND ANALYTICS | MACHINE LEARNING INTERN

Jan 2020 - March 2020 | Remote

- Objective:** I have worked on a computer vision model that is used for extracting vital information from driving licenses such as chassis no. etc.
- Dataset:** Organization has a private dataset of Driving license and Aadhaar cards.
- Results:** It involves using Image processing and Computer vision techniques and libraries such as Opencv, Azure cognitive vision OCR model. In the end we were able to get around 80-90 per. accuracy in both tasks.