

Aryanshu Verma

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SKILLS

TECHNICAL SKILLS & TOOLS

Languages: Java/JEE, Python, C++

Frameworks: Spring, Spring Boot, Spring Data JPA, Flask

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

DBMS: SQLDeveloper, PostgreSQL, ORM, Hibernate, Elasticsearch/ELK stack(NosQL), MongoDB

Cloud: PCF, Azure

Monitoring: Dynatrace

Other Languages, Tools & Technologies:

HTML, CSS, JavaScript, Git, Bitbucket, Postman, Linux, Docker, Jenkins, Agile, Jira, Pytorch, Opencv, Matlab, Octave

CORE CS

Operating System, Computer Networking Data Structure & Algorithms Computer Architecture, Machine Learning, AI, NLP, Computer Vision, Data science, Data Analysis

EDUCATION

IIIT GWALIOR

INTEGRATED B.TECH AND M.TECH
IN INFORMATION TECHNOLOGY
2017 - 2022 | Gwalior, INDIA
CGPA: 7.63

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

- Experience in working all phases of **Software Development Life cycle(Development->Testing->Deployment->Monitoring)** using Java/JEE and Python Technologies.
- Worked on **developing APIs** that processed the data from various types of Dell Enterprise servers i.e poweredge, powerstore etc. to fetch the relevant information. Tech stack involved for the same, **Java, Spring, Spring Boot.**
- Worked with **Elasticsearch database(NoSQL) & PostgreSQL** to store 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 **Automation Test suite** for APIs Testing and Sanity Testing 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.