

# VARSHAP WALIA

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## SKILLS

- |                  |                    |                      |                             |
|------------------|--------------------|----------------------|-----------------------------|
| – Java           | – Elasticsearch    | – AWS / GCP          | – Postman / Swagger         |
| – Python         | – MySQL / Postgres | – Gitlab / CI-CD     | – Restful API / RestAPI     |
| – Go             | – MongoDB          | – Jira / Confluence  | – Unit Testing / AB testing |
| – Angular / Node | – Redis / Kafka    | – Sentry / New Relic | – Microservices             |

## WORK EXPERIENCE

### Software Development Intern

April 2023 – Sept 2023

Thales

Ottawa, Ontario

- Engineered a robust load and performance automation testing pipeline for the enterprise-level microservice application (SafeNet Trusted Access), resulting in a remarkable 250% reduction in manual testing time.
- Implemented scripts for real-time CI/CD pipeline status and logs, enhancing visibility and monitoring efficiency.
- Authored system documentation, including flowcharts and user manuals, to ensure clarity and facilitate implementation.

### Software Development Engineer II

Feb 2022 – Sep 2022

Vahak

Bengaluru, India

- Architected the latest version of Vahak's Map system to enhance the company's geolocation data integrity, quadrupling the number of points of interest on the map.
- Improved location search engine's algorithm, boosting suggestion accuracy by 89% and increasing bookings by 37%.
- Collaborated with data science team to optimize recommendation metrics, boosting customer engagement by 45%.
- Mentored junior engineers to write efficient code for enhanced performance and readability.

### Senior Software Engineer

April 2019 – Feb 2022

PinkBlue

Bengaluru, India

- Spearheaded and Managed POS solution that supported inventory, logistics, and barcode scanning for 1000+ customers (Hospitals) and 4500+ stores (Pharmacies) across India.
- Optimized logistics, order tracking, and payments, reducing delivery times by 29% and order discrepancies by 20%.
- Led end-to-end development of multiple products, covering system requirements, partner dependencies, workload balancing, software implementation, testing, and configuring metrics, alarms, monitors, and dashboards.
- Automated the core marketing experiments, including A/B, Auto-Targeting, and Multivariate Testing.
- Orchestrated the e-commerce web platform migration from GCP to AWS, also Implemented performance tracking using New Relic and Sentry, reducing downtime incidents by 23%.

### Backend Engineer

Nov 2017 – April 2019

Inclov

Gurgaon, India

- Created an encrypted messaging and notification system, boosting user engagement by 45% on the dating app.
- Implemented ML-based auto-approval and explicit content filtering, reducing moderation by 30%.
- Enhanced web app accessibility, adhering to WCAG and adding text translation features.

### Associate Data Scientist

March 2017 – Nov 2017

Cognier Insights

Gurgaon, India

- Successfully upgraded Samplepop's data ingestion pipeline, boosting the real-time analytics engine's performance by 40% in the B2B trading geo-map web app.

## PROJECTS

### CareConnect | Java, Spring, HTML/CSS, MySQL, Figma, Docker, AWS

- CareConnect, a Java-based mental health app, provides secure login, admin oversight, doctor registration, nurse-assisted appointments, self-assessment tests, and intuitive appointment management.

### ASL Detector | Python, Pytorch, scikit-learn, jupyter

- Utilizing CNN models like ShuffleNet v2, ResNet-18, and MobileNet v2, this AI project achieves 99.19% accuracy in recognizing alphanumeric gestures, aiding communication for those with hearing impairments.

## EDUCATION

### Concordia University

Master of Computer Science

Aug 2024

Montreal, Quebec

### Kurukshetra University

Bachelor of Science in Computer Science

Aug 2017

Kurukshetra, Haryana