

VARSHAP WALIA

Montreal, QC || 514-569-8153 || varshwalia@gmail.com
[linkedin.com/in/varshapwalia](https://www.linkedin.com/in/varshapwalia) || github.com/varshapwalia || <https://varshapwalia.com/>

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

Apr 2023 – Sep 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, increasing the number of points of interest by 4X.
- 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

Apr 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.
- Streamlined logistics, order tracking, and payments reducing delivery times by 29% and order discrepancies by 20%.
- Supervised 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 – Apr 2019

Inclov

Gurgaon, India

- Developed 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 to support 12 local languages.

Associate Data Scientist

Mar 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 scalable Java-based mental health app, provides secure login, admin oversight, patient 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