

JAVTESH SINGH

HIGHLIGHTS

- **13 Patents** : 6 Granted, 2 Pending, 5 in development.
- **Inventions featured** on Business Standard, TOI, MSN.com etc.
- **Invented** World's first fully modular laptop architecture.
- **Delivered 30+ innovative** electronic products in emerging technologies and won international awards.
- **Designed & Developed** iOS apps (ISTQB QA Certified.)

WORK EXPERIENCE (3+ YEARS)

Business Analyst, 04/2024 to Current

Best Buy - CHQ, Vancouver

- **Developed an A.I. defective part analysis app** with a locally hosted LLM, auto detecting quality issues in returns units(97% accuracy, eliminating 1,000+ manual hours).
- **Built Process-mapping application** to auto capture user workflows in real time and auto generates SOP PDFs with screenshots and flowcharts to identify bottlenecks and drive process improvements.
- **Developed two Android apps** for marketplace vendors, delivering 5x faster product uploading and reduced fraudulent returns.
- **Built a computer-vision cosmetic grading app** to auto identify and standardizes scratch/dents on devices.

Parts Reclamation, 10/2022 to 04/2024

Best Buy - Toronto, ON

- **Built automated diagnostic workflows to** test matrices, SOPs, acceptance thresholds, and scripted test runners/data logging to identify defective vs. working hardware components and speed up repair diagnosis.
- **Delivered stakeholder reporting & insights** for Gift Cards issued, Internal Solution, Vendor Performance and Parts Analysis.
- **Mapped business processes** for Returns, Marketplace, shipping courier, Parts analysis, trade-ins, Geek squad repair, raised quality alerts and secured vendor credits/funding.

Mobile Application Developer, 08/2021 to 12/2021

George Brown College - Toronto, ON

- **Developed Firebase-backed authentication**, role-based data models (buyer/seller), and product/cart/invoice modules.
- **Co-designed core iOS user flows in agile sprints**; wrote user stories, wireframes, and acceptance criteria and QA-tested end-to-end journeys with test cases and regression.

LINKS

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WWW: javtesh.com
WWW: roycebook.com

SKILLS

- **Hardware R&D** : Publishing patents, Innovative product designs, Rapid Prototyping, proof of concept development, 3d rendering and simulations,cross-functional hardware and software integration.
- **AI, ML & Automation**: On-prem LLMs, Sentiment Analysis,RAG (Python), VS Code, Fraud detection & Anomaly flags, LM Studio.
- **Data & Integration**: SQL; Data analysis and visualization, REST/JSON APIs, Dashboards and reporting, requirement gathering.
- **Business Analysis** : UX, Agile/Scrum; requirements %user stories BPMN/SOPs, Lean (VSM, bottlenecks), diagnostics & data logging.
- **Mobile Apps** : iOS (Swift/SwiftUI); Android, Firebase; VoIP calling, UAT/Regression (ISTQB)

EDUCATION

Post Graduation, Business, 08/2022

George Brown - Toronto, ON

Post Graduation, Mobile Apps, 12/2021

George Brown - Toronto, ON

Graduation, Computer Science, 06/2020

Chandigarh University - India