

Abhishek Herbert Samuel

+91 93611 10197 | abhishekherbertsamuel@gmail.com | [LinkedIn](#) | [GitHub](#)

EXPERIENCE

Associate Full Stack Engineer

Worldline Global Services

Dec 2025 – Present

Chennai, Tamil Nadu, India

- **Build and maintain .NET-based services** for Worldline's Merchant Portal (GoPay) catering to **Small and Medium-sized Businesses**, integrating multiple backend APIs and shaping responses for **React** clients.
- **Drive .NET migration efforts** by resolving compatibility issues and ensuring successful builds against updated framework versions.
- **Strengthen delivery reliability** by working within **GitLab CI/CD pipelines** and **JBake Artifactory** for build, packaging and deployment workflows.
- **Accelerate development** by leveraging **AI-assisted agentic workflows** using **Claude Code (via GCP Vertex AI)** while validating outputs against system requirements.

Full Stack Engineer Intern

Worldline Global Services

Aug 2025 – Nov 2025

Chennai, Tamil Nadu, India

- Developed a **Python-based log analysis module** to process **180,000+ log entries** from an **automation workflow**, identifying failure patterns and improving debugging efficiency.
- **Optimized a legacy workflow using Power Automate** by integrating **robust logging and monitoring**, cutting error-detection time by **50%**.

Software Engineer Intern

Sify Technologies Limited

May 09, 2024 – Jul 09, 2024

Chennai, Tamil Nadu, India

- Built a **Mixtral 8x22B LLM-powered chatbot** to convert **CSV datasets into structured Jupyter notebooks** using **Python** and **Gradio**, reducing manual EDA effort by **70%**.

Software Development Intern

Corvanta Analytics

Dec 01, 2023 – Dec 29, 2023

Chennai, Tamil Nadu, India

- Developed a **Python-based medication auto-complete module** using **fuzzy matching** and integrated it with **GPT-3**, improving chatbot response accuracy by **40%**.

PROJECTS

Open Neural Network Exchange – Open Source Contribution | [GitHub Link](#)

Jun 2025

- Developed a **graph optimization pass** in **ONNX's Intermediate Representation repository** that deduplicates model weights, thus **reducing model size** by up to **30%** using **Python**.
- Achieved this by **eliminating redundant tensors** via data type, shape and raw byte content, thus ensuring **84% code coverage** across diverse edge cases.

The Nest | [Android Application](#) | [Hardware + ML Model](#)

Jul 2024 – Apr 2025

- Built an **Android-based infant monitoring system** to **reduce the risk of Sudden Infant Death Syndrome (SIDS)** by detecting unsafe sleep postures and tracking environmental vitals.
- Trained a custom **MobileNetV2 model** on **2000+ images (99.32% accuracy)** and **deployed a quantized version (3 MB)** on a **Raspberry Pi** for **low-cost, real-time edge inference and alerts**.

TECHNICAL SKILLS AND CERTIFICATIONS

Languages: C#, Python, Java, JavaScript, SQL, Kotlin, HTML, CSS

Frameworks & Tools: .NET, TensorFlow, Flask, Spring Boot, React, Artifactory, Docker, Jenkins, Git, GitLab

Platforms & Databases: GCP (with Vertex AI), Linux, AWS, Raspberry Pi, Render, MySQL, PostgreSQL

Certifications: Programming in Java (Infosys), Google Data Analytics, ML Specialization (Stanford University)

EDUCATION

Shiv Nadar University, Chennai

2021 – 2025

B.Tech in Computer Science and Engineering (Internet of Things)

CGPA: 8.807/10

ACHIEVEMENTS & LEADERSHIP ROLES

- **4-time NPTEL Topper** – Top 1% in Software Conceptual Design (IIT Bombay), Top 2% in Soft Computing (IIT Kharagpur), Top 5% in Affective Computing (IIIT Delhi & IIT Ropar) and Data Science for Engineers (IIT Madras).
- **2-time Hackathon Finalist** – Anna University's IT for Public Good Hackathon (Top 4) and VIT's HackOverflow.
- **Leadership Roles** – Co-Founder and Club Representative, SNUC Business Club; Overall Event Head, NOVA'23; Student Ambassador and Class Representative, SNU Chennai.