

HARDIK SANGWAN

London, UK | +44 7918731433 | hardik.sngn@gmail.com | [LinkedIn](#) | [GitHub](#) | [Portfolio](#)

Experience

- Sept 2024 - **Backend Developer & ML Engineer** London, UK
Exabler
- Architecting and developing a cloud-agnostic AI driven data processing pipeline. End-to-end development, from model selection & experimentation to deployment of a comprehensive ML solution
- Leveraging open-source LLM technologies with continuous assessment and online optimisation
 - Using containerised micro-services, IaC principles, and CI/CD pipeline for builds, tests and deployment
 - Accommodate diverse data ingestion sources and output interfaces
 - SPA for secure data handling, visualisation and real time operations
- Apr 2020 - **Product Engineer II** Atlanta, USA
Nov 2022 GreenWave Electronics
- Led successful cross functional engineering projects encompassing Robotic Process Automation, Automated Image Analysis and Electronics Testing, and Inventory Management using IoT & RFID.
 - Projects created substantial increases in production capacity & quality and reductions in costs and returns.
 - Architected and implemented highly scalable distributed cloud applications on AWS.
 - End-to-end ownership of internal product suite built to support Manufacturing and Testing Operations.
 - Mentored & advised ~10 Junior Engineers, Technicians, Testers, and Interns
- Jun 2019 - **Co-Founder/Software Developer** Atlanta, USA
Aug 2019 Luddite Tech, Georgia Tech Create-X Summer '19 Incubator Program
- Built prototypes, initiated customer discovery, created business plans and pitched to possible investors.
- Aug 2016 - **Engineering Apprentice** Atlanta, USA
May 2018 The Home Depot
- Enabled supplier negotiations by conducting thorough product teardowns and analysing costs.
 - Secured \$2.5 Million in savings for a product procurement initiative through my cost analysis.
 - Improved communication efficiency and data-driven insights with viz. solutions built on Tableau.
 - Performed benchmarking, industry standard testing and development for improved ratings.

Education

- Sept 2023 - **King's College London** London, UK
Sept 2024
- **MS in Engineering with Management**
 - Prize for Best Overall Performance
 - Dissertation: Explainable/Interpretable AI for Medical Diagnosis (Skin Cancer)
 - Intelligence and Autonomy, Management (Product, Project & Operations), Systems and Controls, Machine Learning, Deep Learning
- Aug 2014 - **Georgia Institute of Technology** Atlanta, USA
Dec 2019
- **BS in Computer Science and Mechanical Engineering**
 - Data Structures, Algorithms, Machine Learning and Applications, System Design, Modelling
 - System Dynamics & Mechanics, Manufacturing & Design, Thermodynamics, Statistics
 - Research: Humour Genome Project: Humour classifiers & recommendation systems using NLP
 - Research: Bio Robotics Lab: Haptic assist device for industrial assembly for General Motors
 - Organisations and Employment: HyTech Racing, RoboJackets, Visualisation Developer

Skills

Tech Python, AWS: Certified Pro Solutions Architect, SQL, Vue.js, Docker, FastAPI, TensorFlow, LLMs

Volunteer AI for Good (FruitPunch.ai) - Product Owner in Data & Modelling for Carbon Emissions Estimation