HARSHAL BHANUSHALI

+1(445) 444-1705| Philadelphia, PA|harshalgori121@gmail.com|
https://www.linkedin.com/in/harshal-bhanushali-3061131ab

ACADEMIC QUALIFICATIONS

Masters of Science in Computer Engineering   *Sep'24 – Jun'26*
Drexel University, Philadelphia, PA, USA GPA: 3.75
Relevant Coursework: Introduction to Machine Learning [PCA, Regression, KNN nearest neighbor, graphs],
Introduction to computer vision, Computer Architecture, Data Structures and Algorithms, Web Security- Linux, Node
JS, Passport JS, SQLite, Web Development, Image Processing, Robotics- Embedded System, Robot Operating System

Bachelor of Engineering in **Electronics and Telecommunications**   *Apr'17 – May'21*
Shah and Anchor Kutchhi Engineering College (SAKEC),Mumbai University, Mumbai, India Aggregate/CGPA: 7.88

TECHNICAL SKILLS

- **Core Competencies:** Program Management, Software Development, Software Validation & Automation, System Development, Machine Learning, Data Structures and Algorithms
- **Software/Tools:** C, Java, Python, C++, HTML5, CSS3, PHP, Node JS, MySQL, MongoDB, AutoCAD, Robot Framework, Python selenium, Cypress
- **Interpersonal Skills:** Critical Thinking, Strategic Thinking, Decision Making, Communication, Leadership, Managing Project

INDUSTRY EXPERIENCE

Sub-System Product Engineer, **Jaguar Land Rover, Gaydon, UK**   *Sep'21 – Aug'24*
- Led development and deployment of **TRM & XRAY (JIRA-based)** tools, including test design and iterative enhancements.
- Managed full product lifecycle from requirements to deployment, ensuring functional alignment with business goals
- Worked as a Systems Engineer using **WERS, E-trackers, JFrog, and IBM RTC** for software planning and release management
- Contributed **to HVAC & SZM release cycles** and supported **Line Trials** for Land Rover/Jaguar launches (L560 MY24, L460 MY24)

Software Developer, **TATA ELXSI, Bangalore, India**   *Sep'21 – Mar'22*.
- **Designed and validated** test cases for **Advanced Driver Assistance Systems (ADAS)**, incorporating client feedback and maintaining functionality across multiple software iterations
- **Automated and executed** test scripts using **Python (Selenium), Robot Framework, and Cypress**, increasing validation efficiency and reducing manual QA effort
- **Collaborated with Jaguar Land Rover** to manage **software planning** and coordinate ECU release schedules, ensuring on-time deployment of system updates

ACADEMIC PROJECTS

- **Stock Price Prediction**   *Nov'24 – Dec'24*.
  Developed a predictive model to forecast stock prices for major companies like Apple, Boeing, Microsoft, Intel, IBM using historical data analysis using Linear Regression, Decision Tree and Random Forest.
  I personally Designed the model and trained the model using the previous years dataset basically done whole coding stuff using **Python** and without using **Machine Learning** libraries.
- **Fruit and its quality detection with Computer Vision**   *Nov'24 – Dec'24*.
  Developed a system where we can determine the fruit and its quality with its photo here, we used **Computer Vision** concepts and libraries, and algorithm used was **CNN**.
  Designed the system with installing the webcam and using the Computer vision concepts like CNN and trained the dataset, basically done whole coding stuff.
- **Health Monitoring and Tracking System Using IoT**   *Jan'21 – June'21*.
  The Health Monitoring and Tracking System is designed in three modules: hardware with **sensors** and a **Raspberry Pi 3** to capture body parameters, a backend using **MongoDB and Node.js** for server and database management, and integration to display real-time health data and location on a website, ensuring seamless data transmission from sensors to the web platform.
  Designed the database system which usually gets the input data from sensors and it outputs the data to the dashboard

AWARDS AND ACHIEVEMENTS

- **Recognized by Jaguar Land Rover UK** with three management-level **recommendations** (Aug' 2024) and multiple client accolades including **"Customer Appreciation"** and **"Extra Mile"** awards from Tata Elxsi (2023)
- **Recipient of prestigious academic honors**, including the **Merit-Based Dean's Scholarship at Drexel University (2024)** and Quarter Finalist in the **IICDC National Innovation Challenge (2019)**
- **Earned Microsoft Technology Associate Badge** for **Introduction to Programming Using Python (2020)**, demonstrating early proficiency in programming
- Presented a live demonstration on **"Working of the developed product",** Jaguar Land Rover, in my capacity as Sub System Product Engineer, Jaguar Land Rover Limited, UK, Apr'23