

Kaushal Prasath

Technophile, Roboticist, and AI Enthusiast

kaushalprasath@gmail.com

Education

Liberty High School

Grade 9 - 12

Grad. May 2025 | Frisco, TX,
USA

Skills

Programming

Fluent - Python, Java

Skilled - HTML, CSS

Machine Learning

Tensorflow - PyTorch, Keras,

NumPy, Pandas - NLTK

Robotics

Areas of Work

Mechanical Engineering

Electrical Engineering

Computer Vision

Ecosystems

ROS - ROS 2 - Humble - Modern

Robotics - LabVIEW - EV3 - NXT

3D Modeling

Onshape - Fusion360 - AutoCAD

Athletics

Football - Offense, Defense,

Special Teams

Track - Sprinter and Relay

Sprinter Cricket - All-Rounder
and Trainer

Coursework

High School

AP Calculus BC

AP Physics 1

AP Computer Science A

AP Seminar

Certification

Certified Entry-Level Python

Programmer Certification (PCEP)

Links

Website:

<http://KaushalP55.github.io>

Github: [KaushalP55](https://github.com/KaushalP55)

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Mobile : +1 469 823 2250

Experience

Founder @ Invention-Shield - <http://invention-shield.com>

July 2024 – Present

Industrial Technology Analytics Intern @ Ausweg Automation

June 2023 - September 2023

Founder @ LearnEV3 <http://learnev3.com>

June 2022 - Present

Research

Knees Osteoarthritis Detection using Machine Learning and Deep Learning

- Created a system for detection of knee osteoarthritis by scanning x-ray scans and presented study at UT Dallas

Enhancing Road Safety Through Inter-Vehicle Communication

- Created a system for inter-vehicle communication to improve road safety by using AI provided solutions.

Distracted Driver Detection using Computer Vision

- Created an AI system that recognizes when a driver is distracted and alerts them, to promote road safety.

Robotics

Founder and Mechanical & Electrical Captain @ Singularity Robotics #10032

May 2024 - Present

Mechanical & Electrical Captain @ Heatwave Robotics #9407

August 2023-May 2024

Mechanical & Electrical Lead @ EGM Robotics #8055

August 2021-August 2022

Honors

2024 - Eagle Scout, Boy Scouts of America

2024 - National - AP Scholar Award, College Board

2024 - State - Rookie Inspiration Award Winner, FIRST Robotics Competition Team

2024 - State - Event Finalist, FIRST Robotics Competition Team

2023 - National - AP Scholar Award, College Board

2022 - State - Innovation in Control Award Winner, FIRST Robotics Competition Team

2022 - State - Quality Award Winner, FIRST Robotics Competition Team

2022 - State - District Engineering Inspiration Award Winner, FIRST Robotics Competition Team