

Mihir Trivedi

Engineer R&D (IoT)

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Skills

Software Development, Artificial Intelligence, Embedded Systems, Data Science, Computer Vision, Data Analytics, Internet Of Thing (IoT), Robotics, ROS, Product Development, Project Management, Machine Learning, Rapid Prototyping, Edge AI, PowerBI, Python, C++, Embedded C, HTML, CSS, Java, Tensorflow, PyTorch, Immersive Technologies, Digital Transformation, OpenCV, Keras

About

Focused and enthusiastic developer with a keen interest in software development and artificial intelligence. By comprehensive exposure to the underlying concepts and applying them vividly to various projects, my love for these domains came into being. I am a passionate individual who thrives to build and apply algorithms to solve real-world industry problems.

Professional Experience

Engineer R&D

**KSMS Technology Solutions Pvt. Ltd. (Kalyani Group) - Pune, IN
December 2019 - June 2023**

Extensive hands-on experience with TensorFlow, leading a team of 3+ members to develop and implement advanced algorithms in FFT, ML, and AI, enabling accurate predictions of machine health, failures, and remaining useful life. Additionally, I have contributed to the development of open-source ventilator software and hardware for COVID-19 patients, known as Pufferfish, and also worked on Project Sanjeevani, which involves developing a pulse

Mechatronics Engineer

**Aliyance Mechatronics - Ahmedabad, IN
January 2018 - August 2019**

Extensive experience in PyTorch, leading the electronics team in designing and constructing various cutting-edge robots for the prestigious Roboseum project. Demonstrated expertise in prototyping, documentation creation, and collaboration with government authorities, ensuring successful project delivery and recognition at the national level.

Automation Engineer

**Rasik Industries - Ahmedabad, IN
June 2017 - December 2017**

I was involved in automating specialized machines, including automatic surface grinders and stamp machines for product marking. My work focused on developing automated systems to streamline and optimize machine performance. Through my efforts, these specialized machines were able to operate more efficiently and effectively.

Education

Ganpat University (Mehsana) - June 2014 - January 2018
B.Tech Mechatronics

Gujarat Technological University (Ahmedabad) - June 2009 - January 2014
Diploma Mechatronics