Mihir Trivedi

Engineer R&D (IoT)

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EXPERIENCE

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

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 — 2019-Present

KSMS Technology Solutions Pvt. Ltd. (Kalyani Group) — Pune, IN

Leading a team of 3+, I am focused on developing advanced FFT, ML, and AI algorithms to predict 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 dose delivery system for COVID-19 patients.

Mechatronics Engineer — 2018-2019

Aliyance Mechatronics — Ahmedabad, IN

As the Technical Head of the electronics team, I contributed to the development of India's first Roboseum project awarded to the Government of Gujarat. My work included prototyping and building various robots, such as the AMY-waiter, Robo Soccer, Painter, Badminton, Robo Kitchen, and Robo Cafe. Additionally, I played a crucial role in creating technical documentation for the Roboseum project, which was reviewed by GCSC officials.

Automation Engineer — 2017-2017

Rasik Industries — Ahmedabad, IN

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 — 2014-2017

Mehsana, IN
B.Tech Mechatronics

Gujarat Technological University — 2009-2013

Mehsana, IN
Diploma Mechatronics