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