

# Siddharth Jain

Tempe, AZ | +1 (623) 326-7382 | sjain238@asu.edu

Dear Hiring Manager,

With a strong academic background in Robotics and Autonomous Systems from Arizona State University, paired with hands-on experience in embedded systems, AI development, and hardware & protocols, I am enthusiastic about the opportunity to contribute to your company's vision.

My Master's education has trained me with a deep understanding of embedded systems, machine learning, and autonomous technologies, underscored by a GPA of 3.92/4.0. At Enterprise Technology, I've had the privilege of designing and deploying scalable and efficient solutions, such as implementing a UHF mesh protocol with AES Encryption and designing dynamic query engines for real-time data fetching. These experiences have honed my skills in hardware components, enabling me to specify, design, and support hardware relevant to the industrial sector.

As an ML Ops and AI Development Engineer, I have been working with a team to deliver an AI platform consisting of various LLM models, vector DBs and embeddings. This allows the user to experiment with any combination that they might think is fit for their purpose. I have also successfully implemented an LLM on AWS Lambda which provides cheaper and scalable inference. Created a university wide dataset to fine tune Mistral models giving us our own custom ASU Mistral Chatbot.

Experience with understanding of electrical schematic design and CAD engineering, utilizing tools such as Solidworks, Altium and AutoCAD Electrical for my projects. Moreover, my exposure to Raspberry Pi, PCB Design, and various communication protocols, like ZigBee, MQTT, LoRa, Ethernet, BLE, Wi-Fi, positions me well to grasp the nuances of an RF Engineer.

Your job description emphasizes the importance of collaboration in a fast-paced and multidisciplinary environment. In my past roles, I've often collaborated across teams to drive projects forward, whether it was at Enterprise Technology in optimizing systems or at the Bio-inspired Robotics, Technology, and Healthcare Lab at ASU, where I led rigorous research initiatives.

Furthermore, I am encouraged by your company's commitment to growth, safety, and quality craftsmanship. The opportunity to work with a team that champions innovation, teamwork, and customer care is exciting.

In conclusion, I am confident that my educational background, hands-on experience in hardware design and protocols, coupled with my passion for innovation, makes me a strong candidate for this role. I am keen to bring my expertise and collaborate with the team to meet and exceed the challenges of the industry.

Thank you for considering my application. I am looking forward to the possibility of discussing how I can contribute to your team. Please find attached my resume for your review.

Warm regards,

Siddharth Jain

[www.tellsiddh.com](http://www.tellsiddh.com)

[linkedin.com/in/tellsiddh](https://linkedin.com/in/tellsiddh)

[github.com/tellsiddh](https://github.com/tellsiddh)