**Shaik Shaheed Basha**  
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**Hiring Manager**

Voyager Technologies

**Dear Hiring Manager,**

I am excited to apply for the Summer 2025 internship position at **Voyager Technologies**. As a Master’s student in Computer Engineering at San Diego State University, I am eager to apply my expertise in **VLSI design, embedded systems, and software development** to real-world challenges. With a strong foundation in **digital circuit design, FPGA implementation, and programming**, I am confident in my ability to contribute meaningfully to your team while expanding my technical and industry knowledge.

My academic and professional experiences have equipped me with a diverse skill set, including:

* **VLSI Design & Verification** – Hands-on experience with **Cadence Virtuoso, Verilog, SystemVerilog, and UVM**, designing and optimizing digital circuits for efficiency and scalability.
* **Embedded Systems & Hardware Design** – Proficiency in **C/C++, RTOS, and microcontroller programming**, coupled with experience in designing **low-power and high-performance circuits**.
* **Software Development & Data Analysis** – Strong background in **Python, Java, and MySQL**, along with experience in developing and optimizing **neural network-based video processing blocks**.
* **Simulation & Signal Integrity Analysis** – Expertise in **HFSS, MATLAB, and TX-Line** for **circuit simulation, impedance matching, and high-speed signal integrity analysis**.

In my role as a **Software Developer at Innova Solutions**, I led a team of junior developers, designed UI/UX components using Angular, and collaborated across functions to deliver high-impact applications. Additionally, my **academic projects**, such as **Neural Network-Based Color Detection and 16-Bit ALU Design**, have provided me with hands-on experience in designing and optimizing digital hardware systems. My ability to work across software and hardware domains makes me a versatile candidate for roles in **semiconductor design, embedded systems, and hardware-software co-design**.

I am eager to bring my technical skills, problem-solving abilities, and collaborative mindset to **Voyager Technologies** and contribute to innovative projects. I welcome the opportunity to further discuss how my expertise aligns with your team’s goals. Thank you for your time and consideration.

**Sincerely,**  
Shaik Shaheed Basha