+1 (337)366-7508

kumardarshan425@gmail.com

linkedin.com/in/darshan-p-kumar

darshankumar2004.github.io/index.html

Lafayette, Louisiana, 70508

Darshan Kumar
Project Manager & Software Developer

About Me

I've always worked in an engineering environment since early high school. I participated in **FRC Robotics** and led my team to the **world championship** as the **project manager**, robot driver, and lead electrician during my senior year of high school. Before that, I held positions of robot technician and **lead programmer**. In the next chapter of my life, I went to **ULL** and participated in **satellite student research** where I led the **ESG Grid** project. **ESG Grid** is a patented groundstation solution for satellites and weather balloons. Through my experience with **robotics**, **CAPE's ESG Grid**, and **IEEE**, I have learned and put into practice many practical electrical and programming skills.

Education

University of Louisiana at Lafayette | IEEE | **Honors College** | GPA: 3.75/4.00
B.S. Computer Science in **Computer Engineering** | Junior | August 2023 - **May 2026**
Minor: Mathematics
Coursework: Computer Engineering | Digital Systems | Micro Processors | Computer Architecture | Assembly Programming | Advanced Data
          Structures and SWE | Foundations of Computer Science | Cyber Security | Computer Architecture

Technical Skills

- ➤ **C++**, C, Java Script, HTML, CSS, **Java**, **Arduino**, MIPS & AVR Architecture Assembly, Python, LaTeX
- ➤ **Leadership, Project Management**, **Software Engineering**, System Design, Technical Documentation
- ➤ Microsoft 365, Slack, Jira, Confluence
- ➤ **Cross Disciplinary**, **ITAR Trained**
- ➤ Languages: English (Proficient), Gujarati (Native)

Relavent Experience

CAPE - *Cajun Advanced Picosatellite Experiment*, Lafayette, LA | Student Research at ULL |August 2023 - **Present**
- ➤ Lead Software Developer for the Fall 2023 CAPE weather balloon
- ➤ Project Manager & Lead Software Developer of ESG Grid, a patented, globally deployed, satellite ground-station solution
- ➤ Developed the variable frequency smart ground-station and prepared legal documentation for review by lawyers

FIRST FRC 3616 - *Phenomena Robotics, Lafayette, LA* | *August 2019 -* ***August 2023***
- ➤ Lead C++ Object Oriented Programmer, Robot Technician | August 2021 - May 2022
- ➤ **Project Manager, Lead Electrician** | May 2022 - August 2023
- ➤ Attended the World Championship during my management, robot driving, and robot repair leadership by winning the Community **Impact Award** noted as the most prestigious award in FIRST Robotics.
- ➤ Conducted project launch meetings to define project objectives and scope while managing the agenda using Trello and Slack.

Comeaux High School, Lafayette, LA |August 2021- **May 2023**
- ➤ Lead Library Technician
- ➤ Chromebook Hardware Repair
- ➤ Chromebook Software Troubleshooting
- ➤ Research/Data Entry
- ➤ Network Troubleshooting

Skills

- ➤ **C++**, C, Java Script, HTML, CSS, **Java**, **Arduino**, MIPS & AVR Architecture Assembly, Python Programming
- ➤ STM32 IDE, Arduino IDE, JetBrain IDE's, VS Code, Fusion 360, Cura, LaTeX, GanttProject, Putty, Microsoft 365, Slack, Jira
- ➤ **Project Management**, **Leadership**, **Software Engineering**, System Design, Technical Documentation, **ITAR** Trained
- ➤ Languages: English (Proficient), Gujarati (Native)