

Sreenivas Krishna Nair

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Education

University of Wisconsin-Madison

B.S. Computer Engineering, expected May 2022

B.S. Computer Science, expected May 2022

- **Major GPA 3.75/4.0**, cumulative GPA 3.67/4.0
- Dean's Honors List

Stanford University

Summer Session, summer 2019

- Course work in linear Algebra and multivariable calculus
- Silicon Valley Innovation Academy

Experience and Projects

Wisconsin Robotics

Member of AI Team

Implemented Computer vision algorithm and High-Level algorithm in ROS (robot operating System) for rover competing in the university Rover competition.

Social Network

Full stack web platform that models social media platforms. Uses the MERN stack model to organize the platform. Full social media user experience with user to user chat, cookies, sessions, user to global feed, selective access, etc. (under-development: deployment phase)

Lane Detection

Algorithm for lane detection in any image and videos. Uses python and OpenCV library to implement functionality.

Farm Data – Analyzer

Java application for conducting analysis on the milk data for several farms across the US. The application takes in milk production data of several farms as a CSV file and conducts analytics. It displays yield, tracks change across time and generates various reports.

Personal Website

Personal Portfolio website for displaying projects and provide an easy way to contact me. Implemented a static website using Next.js, Vercel and Prismic. GraphQL used to retrieve data from Prismic. Used SCSS to implement visual effects. <https://www.sreeuwmadison.com>

Skills

Programming Languages: Java (proficient), JavaScript (proficient), python (proficient), C, C++, SQL, R, Dart, LC3, Swift, Verilog.

Frameworks: React.js, Express, Node, Next.js, GraphQL, ROS (Robot Operating System in C), MATLAB, Android Visual Studio, Flutter, Solid Works, Octave, Quartus,

Databases: Mongo DB(proficient), MySQL(introductory)

Platforms: Heroku, Vercel, Postman, NPM, Gatsby, AWS, Azure

Certifications

SQL, Stanford University (Lagunita)

The Complete 2020 Web Development Course (Udemy)

The Complete Strapi Course (Udemy)

Deep Learning Specialization, Stanford University (Andrew NG) expected-Dec2020