

# NAVIN SRIDHAR

Graduate Student - University of Texas at Austin

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## Education

### University of Texas at Austin

August 2022 – Expected May 2024

Master of Science in Information Systems

Austin, Texas, USA

Courses: Data Semantics, Human Computer Interaction, Product and Project Management.

### Sri Venkateswara College of Engineering, Anna University

August 2017 – May 2021

Bachelor of Engineering in Computer Science

Chennai, India

Courses: Software Engineering, Data Analytics, Data Structures, Database Management, Machine Learning.

## Technical Skills

**Skills:** Software Engineering, Data Engineering, Data Analytics, Web Development, Database Management, Product Management, Product Development, UI/UX, Machine Learning, Agile / Scrum Development Lifecycle.

**Languages:** Python, C++, SQL, Php, JavaScript, HTML/CSS

**Developer Tools:** Tableau, Power BI Bootstrap, Git, MySQL, Sql Server, Microsoft Excel, Figma, Adobe XD, Jira.

## Experience

### Software System Management Engineer

June 2021 – June 2022

Larsen & Toubro Infotech

Mumbai, India

- Upgraded frontend design for a new automation end-to-end from design to deployment for Post Holdings ltd Client.
- Analyzed and drove design reviews with the senior engineers for upgrading existing UI components.
- Improved database performance by 25% by optimizing queries, improving indexes and data defragmentation.
- Enhanced the performance of real-time business activity monitoring reports that reduced the report response time by more than 50%. Reduced number of major incidents by 27% through IT system management and implementation.

### Software Developer Intern

October 2019 – April 2020

Hatch School of Code

Chennai, India

- Implemented various phases of SDLC - gathering requirements, designing and implementing various features in an agile environment to optimize existing software performance focusing on user experience design.
- Managed user inputted data across multiple platforms including web and mobile apps using Google Firebase.

## Research & Publication

### Novel Method for Relative Automobile Maintenance Index for Smart Cities

August 2021 – June 2021

Lecture Notes in Networks and System (LNNS)– Springer Book Series

Singapore

- Presented research paper in International Conference in Big Data and Data Analytics domain at GIET University, India. Devised a Novel algorithm to estimate Vehicle Maintenance Index. – SIH 2020 Project
- [https://doi.org/10.1007/978-981-16-0666-3\\_46](https://doi.org/10.1007/978-981-16-0666-3_46) (SCOPUS - Springer Nature)


## Hackathons & Projects

### Online Remote Proctoring Platform

February 2021 – March 2021

ASEAN INDIA Hackathon 2021 - Singapore Government - Winner

Singapore


- FIRST PLACE - Team Lead of 6 international student developers and engineered a custom real-time “Online Remote Proctoring Platform” that automates proctoring using OpenCv, dlib and Machine Learning Algorithms.
- Automated customizable proctoring software platform that continuously verifies the identity of online test-takers, while detecting and deterring misconduct using Artificial Intelligence.  [Project Link](#)

### Vehicle Maintenance Platform

December 2019 – August 2020

Smart India Hackathon 2020 - **CDK GLOBAL** - Winner

Mumbai, India

- FIRST PLACE - Led a team of 6 and developed a “Vehicle Maintenance platform” that consists of a Vehicle Maintenance Index, Fault Predictor, and Vehicle Service Booking Platform for CDK Global organised by Government of India.
- Developed a novel algorithm and designed a method to collect and authenticate users’ vehicle data from Honda dealership and runs on a self-developed Normalized Relative Maintenance Index Algorithm to estimate maintenance index and fault of the vehicle.  [Project Link](#)

## Leadership & Achievements

### MSP Award – Best Computer Science Engineering Student

August 2021

Sri Venkateswara College of Engineering, Anna University

### President - Cognizant Student Chapter

September 2019 – June 2021

Anna University, Chennai