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 Studies *Austin, Texas, USA*

Sri Venkateswara College of Enginnering, Anna University **August 2017 – May 2021**
Bachelor of Engineering in Computer Science *Chennai, India*

Relevant Coursework

- Software Engineering
- Algorithms Analysis
- Data Structures
- HCI
- Data Analytics
- Database Management
- Product Management
- Machine Learning

Technical Skills

Skills: Software Engineering, Web Development, UI/UX, Product Management, Data Anlaytics, Database Management, Big Data, Abode Photoshop, Adobe XD, Machine Learning, Product Development.
Languages: Python, C/C++, SQL, Php, JavaScript, Java, HTML/CSS
Developer Tools: Tableau, Git, MySql, Bootstrap, Sql Server, Figma, Firebase, Android Studio, Microsoft office.

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 problem management.

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 **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 (SCOPUS - Springer)

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 proctors using Computer Vision 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