

# ADITYA SURE

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## Education

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### University of Florida

*Master of Science in Computer Science*

Aug, 2022 - May, 2024

CGPA : 3.6/4

### Jawaharlal Nehru Technological University

*Bachelor of Technology in Computer Science and Engineering*

Aug, 2018 - May, 2022

CGPA : 8.3/10

## Skills

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**Programming:** JavaScript, TypeScript, Python, Java, C, C++, HTML, CSS

**Tools & Technologies:** React.js, Node.js, Express.js, MongoDB, MySQL, AWS, Git, Firebase, Spark AR, TensorFlow, PyTorch, Bootstrap, Android Studio

## Experience

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### Machine Learning Intern

Mar, 2021 - Jun, 2021

*Indian Servers*

*India*

- Led the execution of a project focused on predicting accident severity using advanced data analytics and machine learning techniques and developed models to identify high-risk areas, facilitating targeted interventions.
- Enabled data-driven decisions that enhanced road safety by addressing the most hazardous zones.

### School of Innovation

Mar, 2020 - Jun, 2020

*Facebook*

*India*

- Created an AR game for Chumbak.com using Spark AR, Blender, visual programming, and JavaScript, where users collect coins and avoid obstacles controlled by head movements.
- Collaborated with a teammate to design and implement immersive AR gaming experiences, enhancing user engagement through innovative gameplay mechanics.
- Completed the AR Open Program by Facebook's School of Innovation, gaining expertise in Spark AR, 3D modeling, visual scripting, and reactive programming.

## Projects

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### E-Commerce Website

- \* Crafted a fully responsive e-commerce platform leveraging the MERN full stack, providing users with seamless access.
- \* Deployed Firebase Authentication for fortified user authentication and authorization, while adding product listings with advanced search and filtering.
- \* Devised efficient caching strategies, resulting in a noteworthy 25% reduction in page load times and a substantial enhancement in overall site performance.
- \* Tech Stack: MongoDB, Express.js, React.js, Node.js, Firebase, Stripe API.

### Social Media Application

- \* Architected a feature-rich social media platform, facilitating user engagement through posts, comments, and messaging.
- \* Incorporated real-time updates and notifications using Socket.io and Firebase, thereby enhancing user interaction and satisfaction.
- \* Implemented robust user authentication and profile management, enabling key features such as post creation, liking, and commenting.
- \* Tech Stack: MySQL, Express.js, React.js, Node.js, Socket.io, Firebase.

### Inventory Management System

- \* Developed an innovative inventory management solution leveraging MySQL, optimizing the tracking of product inventory and orders for businesses.
- \* Implemented real-time reporting and analytics features using Firebase, offering valuable insights into inventory levels, sales trends, and product performance.
- \* Achieved a notable 30% improvement in processing speed, empowering informed decision-making.
- \* Tech Stack: React.js, Node.js, Express.js, MySQL, Firebase.

## Publication

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### Explicitly Disclosing Clients Illness Catalogue Using Data Science Techniques

- \* Published in the International Journal for Research in Applied Science and Engineering Technology (IJRASET), Volume 9, Issue X, October 2021.

## Achievements

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- \* National Level Chess Champion
- \* Winner, ISTE National Technical Quiz