

# Siva Kumar Reddy Surasani

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## EXPERIENCE

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### Senior Software Engineer, Justdial

Jul 2022 - Aug 2023

- Developed a comprehensive KYC document verification system with login, signup, document upload, and image processing. Implemented a Penny Drop verification mechanism for bank account verification and increased productivity by 30%.
- Oversaw the enhancement of backend APIs associated with JdPay KYC Verification, Jdcash, and payment gateway. API's had an improved performance of 50%.
- Innovated and created new functionalities in invoice creation which reduced the manual work by 40% within the JdpayAdmin module.
- Technologies and Tools: PHP, Python, JavaScript, Redis, MySQL, JQuery, HTML, and CSS.

### Software Engineer, Droom

Aug 2020 - Jun 2022

- Created a web page for managing auctions of various cars listed on Droom, enhancing efficiency by 30%.
- Enhanced the signup pages to accommodate various user types on the Droom seller platform, resulting in a performance improvement of 20%.
- Engineered a listing-matching API using a matching algorithm that provides the three best matches based on user activity, increasing the user traffic by 10%.
- Designed a web page to book roadside assistance and extended warranty, yielding a remarkable improvement of 50% in sales.
- Technologies and Tools: Node.js, PHP, Laravel, Elasticsearch, JQuery, JavaScript, MySQL, MongoDB, Redis, and Amazon Web Services (AWS).

## PROJECTS

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### Chrome Extension

- Implemented a Chrome extension with a user-friendly chatbot interface using HTML, CSS, and JavaScript, enhancing the user experience. Integrated a chat API achieving an impressive 90% accuracy while adhering to WCAG guidelines for accessibility compliance.
- Leveraged technologies including HTML, CSS, JavaScript, Python, and NLP.

### Accessibility ChatBot

- Offers comprehensive Accessibility Guidelines and best practices for crafting web applications, alongside recommending code snippets for implementation. API which is developed using custom data gave more than 90% accuracy.
- Employs technologies including Python, Scikit-Learn, HTML, React.js, Flask, NLP, and Amazon Web Services (AWS).

## SKILLS

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**Programming Languages:** Python, PHP, C++, Java, GoLang, C#, Scala

**Databases:** MySQL, MongoDB, Elastic Search

**Web Technologies:** JQuery, JavaScript, HTML, CSS, JSON, Object-Oriented Design (OOD)

**Frameworks and Tools:** Laravel, Flask, Git, Apache

**Utilities and API:** Postman, Excel, Linux, REST API

## EDUCATION

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**Masters, Computer Science**

University of North Texas, Denton

Aug 2023 - May 2025

GPA: 4.0

**Bachelor of Technology, Electronics and Communication Engineering**

Indian Institute of Information Technology, Kota

Jul 2016 - May 2020

GPA: 3.32

## CERTIFICATIONS

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### University Workshop

Design and Analysis of Algorithms at the Department of Computer Science and Engineering in the Indian Institute of Information Technology, Kota

Jan 2019

## ADDITIONAL EXPERIENCES

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- Mentor in Web Development in svatah an NGO for financial education. (<https://svatah.org/>).
- Volunteering as a **Research Assistant at UNT**, contributing expertise to projects focused on **Dynamic Graphs and Anonymization of Graphs**.