

Suman Mandava

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EDUCATION

St. Joseph's Institute Of Technology - Chennai, India | Bachelor Of Engineering In Computer Science

Expected in 05/2024

CGPA - 8.78

Relevant Coursework - Data structures, Networking, Operating Systems, Discrete mathematics, Design and Analysis of algorithms, computer architecture, Mobile computing, Cryptography, Cloud computing, Internet Programming.

Boaz Public School - Chennai, India

CBSE, 04/2020

12th Grade Academic Performance - 77%

Projects

- **BOAZ PUBLIC SCHOOL**

- 1) *Super Market Billing Project - [January 2020]*

- Software using C++ user-friendly software for efficient and accurate billing in supermarket environments.

- **ST.JOSEPH'S INSTITUTE OF TECHNOLOGY**

- 1) *Object detection and identification using Machine learning - [Nov 2022]*

- Real-time ML scans, identifies, and analyzes objects in digital/physical environments.
 - Using Opencv.

- 2) *Road Lane Line Detection using Machine learning - [April 2023]*

- Using computer Vision to detects vehicles to maintain in a single lane.
 - The rate of accuracy was 93.8%. For 640 480 frames, the suggested algorithm speed is around 0.18 s/frame.

- 3) *KYC Using Blockchain - [Present]*

- CP-ABE method is introduced to store KYC data in the Blockchain network.
 - Easily accessible and secure with a 25 digit secret key that needs to be entered while accessing the KYC data.

- **COURSERA, Google Data Analytics Capstone Project**

- 1) *Cyclists bike-share case study - [Feb 2023]*

- Implemented all the steps of ask, prepare, process, analyze, share, and act in the study case.

- **LARSEN & TOUBRO TECHNOLOGY SERVICES**

- 1) *Resume Shorter - Reactjs - [June 2023]*

- Efficiently filters resumes based on key conditions which help in optimizing the recruitment process.

- 2) *Video Stream Player - Nodejs & Reactjs - [june 2023]*

- Developed a full-stack video streaming application using Node.js as the backend and React.js as the frontend.

Internships

FULL STACK DEVELOPER INTERN | 01/2024 - Current

HCL Technologies Ltd - Chennai, IN

- Into the development of an Online Video Platform(OVP), leveraging React.js for the frontend, Nodejs for the

backend, and MongoDB as the database.

- Implement Material-UI for visually attractive and user-friendly components.
- Create distinct pages for admin and client roles, with the admin having control over movie and user management.
- Develop core functionalities including video streaming, user authentication and user's registration analysis.

REACTJS INTERN | 05/2023 - 06/2023

L&T Technology Services - Chennai, India

- Developed a full-stack video streaming application using Node.js as the backend and Reactjs as the frontend. The project involved creating a seamless video playback experience with features such as play, pause, volume control, and fullscreen mode.
- Designed and implemented a Resume Shortlisting Application using Reactjs, aimed at efficiently managing and evaluating job applicants resumes.

SOFTWARE ENGINEER INTERN | 06/2022 - 07/2022

ANTS Global Systems Pvt. Ltd. - Hyderabad, India

- Built visually rich front-end components.
- Demonstrated good logical skills with a self-motivated attitude to learn new things
- Collaborated effectively with team members.

WEB DEVELOPMENT TRAINEE | 11/2021 - 02/2022

Verzeo - Chennai, India

- Learned to use Reactjs, and CSS to develop an online restaurant website.
- Link - <https://lakkisburger.netlify.app/>

Workshops

- **Blockchain Development Workshop [2days] [March-2023]**
Vista Convert Services **Chennai, India.**
 - Basic introduction of networking, Consensus algorithms and peer-to-peer protocols.
 - Fundamentals of Blockchain.
- **AWS Cloud Workshop [3days] [Oct-2022]**
Stigmata Techno Solutions **Chennai, India.**
 - Hands-on experience using compute, networking, storage, and database AWS services
 - Professional experience architecting large-scale distributed systems.
- **Cyber Security Workshop [2days] [May-2022]**
Why Global Services **Chennai, India.**
 - Knowledgeable to use tools like, Nmap and Wireshark.
 - Understanding different types of malware and security breaches

Paper publications

- **Resume Shorter using Reactjs**
INTERNATIONAL JOURNAL OF NOVEL RESEARCH AND DEVELOPMENT [IJNRD]
Paper ID:- IJNRD2308305
Title of Paper:- Resume Shorter
Impact Factor:- 8.76 (Calculate by Google Scholar)
Published In:- Volume 8 Issue 8, August-2023
Published URL:- <http://www.ijnrd.org/viewpaperforall.php?paper=IJNRD2308305>
- **Road Lane Line Detection Techniques for Autonomous Driving System**
INTERNATIONAL JOURNAL FOR MULTIDISCIPLINARY RESEARCH [IJFMR]

Title of paper:- Advances & Future Directions in Road Lane-Line Detection Techniques for Autonomous Driving system.

Published In:- Volume 5, Issue 5, September-October 2023

Published URL:- <https://www.ijfmr.com/research-paper.php?id=6684>

- **KYC VERIFICATION USING BLOCKCHAIN**

IEEE Xplore

PAPER ID: ICIMIA-489

status of publication : On-going.

the paper has been accepted and publication at the ICIMIA 2023 Conference, organized by Dayananda Sagar College of Engineering, Bangalore

Accomplishments

- Secured a job offer from Accenture for the position of App Development Associate. Through the recruitment process, I effectively showcased my expertise and skills, underlining a robust foundation in Computer Science.
- My research paper on Blockchain technology has been accepted for presentation at the IEEE Conference hosted by Dayananda Sagar College of Engineering in Bangalore
- Recognized as the 'Best Effort Student' for the academic year 2018-2019.

Certifications

- **JAVA J2EE** - TalentNext course by Wipro [5/2023 to 9/2023]
- **Data Analytics** - Google Professional Certificate by Coursera [10/2022 to 2/2023]
- **MySQL** - spoken tutorial project by IIT Bombay [February 13th 2023]
- **CSS3** - Infosys Springboard [January 19th 2023]
- **JAVA** - Spoken Tutorial Project by IIT Bombay [April 6th 2022]
- **Reactjs** - Verzeo [11/2021 to 1/2022]
- **Python** - Cisco Networking Academy [March 5th 2021]

SKILLS

- **Programming**
 - Java, C, C++, SQL, R, Spring Boot, solidity.
- **Web Technologies**
 - Html, Js ,Css3, Reactjs, Nodejs, Bootstrap, RESTApi's
- **DataBase**
 - MySql, Mongodb
- **Tools/Services**
 - Git, Postman, Nmap, Wireshark, AWS, REST API, JSON.
- **Languages**
 - Fluent in English and Telugu.
 - German (A2).
 - Hindi.
 - Tamil..