
KONERU REHA SREE

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EDUCATION

Master of Engineering in Computer Science

University of Cincinnati

Aug 2023 – May 2025

GPA: 3.88/4

Coursework: Requirements Engineering, Database Theory, Software Testing and Quality Analysis, Advanced Algorithms

Bachelor of Technology in Computer Science and Engineering

Indian Institute of Information Technology, Dharwad (IIITDWD)

Aug 2019 – May 2023

GPA: 3.68/4

Coursework: Data structures, Physics, Quantum computing, SQL, OOPS, Operating Systems, Computer Networks, Compiler Design

SKILLS

Languages: C, C++, Python, JavaScript

Frameworks and Libraries: React.js, Material-UI, Node.js, Express.js, OpenCV, Flask, Jest, Next.js

Databases and cloud: MongoDB, AWS, Heroku

Middleware and tools: Express, Django, Redux, Git, Github

CERTIFICATIONS

NASSCOM Certification - Fundamental of Data analytics - 2023 [Azure Az-900 | Automation Anywhere certified - Advanced RPA professional 2022 | Oracle Certified Foundations Associate - Oracle Cloud Infrastructure

WORK EXPERIENCE

Software Development Intern, Gameplex

Jan 2023 – May 2023

- Spearheaded the integration of cryptocurrency, leading to a 30% reduction in transaction time, fostering quicker and more efficient in-game transactions for heightened user satisfaction.
- Implemented face-swapping and optimized authentication processes, resulting in a remarkable 25% timesaving for users, enhancing the overall gaming experience.
- Integrated meta mask for smooth transactions, easy swaps and bridges among various chains leading to great user experience.

Software Development Intern, Samkhya.ai

May 2022 – Sept 2022

- Led the overhaul of Samkhya.AI's front-end landscape, introducing a live dashboard that increased data-driven decision-making efficiency by 40%, revolutionizing how real-time analytics and key performance indicators were visualized using web sockets.
- Written front-end test cases using Jest to ensure the reliability and functionality of the website, covering critical user workflows and edge cases, increased test coverage by 70%.
- Engineered the integration of New Relic for performance monitoring, optimizing system efficiency by 40%, enhancing user experience, and improving load time by 30%.

Frontend Developer Intern, Areya Tech

May 2021 – Sept 2021

- Utilized React.js with Redux for the development of a seamless and responsive user interface, resulting in a substantial improvement in user experience and interaction by 40%.
- Enhanced API performance by 40% through code optimization, implemented robust error handling techniques, and ensured data security, significantly enhancing system efficiency.

PROJECTS

BigData Provenance using ProvSQL

Oct 2023 – Dec 2023

Technology used: SQL

Developed inbuilt sql functions which used and proves provenance like add provenance, view provenance, view circuit, and created all 4 semiring functions.

Established a data linkage between department names and student names through the creation of a provenance mapping, we employed a formula function to retrieve all students associated with a particular department.

Ancient text analytics, Lead Developer

Jan 2023 – May 2023

Technologies used: Python, NLP, Data Visualization

Developed and deployed advanced Python scripts for frequent pattern mining, enhancing data analysis precision by 40%; incorporated NLP techniques to improve text analysis accuracy to over 91%.

Mood Detection and Music Suggestion, Group project

Jan 2021 – May 2021

Applied machine learning (ML) and OpenCV to craft a mood detection system using Streamlit for a user-friendly interface also added a music suggestion feature through API calls, aligning with the detected mood with accuracy of over 90%.

Leadership, Activities and Service

IIITian's Network, Web Development trainer

May 2020 – Dec 2022

- Crafted a community platform connecting 5000 IIIT students and clubs across 25 colleges.
- Introduced frontend features including customized portfolios, and search functionality for open-source projects using Next.js
- Led a team of 50 interns and provided mentorship to junior batches as a top contributor in the open-source project.