

Kavya Chowdary Immanni

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PROFESSIONAL SUMMARY

Skilled front-end developer and software engineer with expertise in building dynamic, responsive web applications using React.js, JavaScript, HTML5, CSS3, and in developing robust back-end solutions with Java and Python.

EDUCATION

Saint Louis University, St. Louis, MO

Dec 2024

Major : Master's in Computer Science

CGPA: 3.8

Course work: Introduction to Artificial Intelligence, Data Analytics and Internet of Things, Principles of software Development, Distributed Computing, Software Architecture, Algorithms.

GRIET, Hyderabad, India

Jul 2021

Major: Bachelor's in Computer Science

CGPA: 3.68

Course work: Linear Algebra, Advanced Calculus, Numerical Methods, Probability and statistics, DBMS, Advanced Data Structures, Operating Systems, Object oriented programming through Java, Web Technologies, Cloud Computing, Data warehousing and Datamining, Unified Modeling Language

WORK EXPERIENCE

Software Engineer, Cloud Software Group, India

Jan 2022 – Dec 2022

- Developed responsive dashboards using React.js, ES6 JavaScript, HTML5, CSS3, enhancing user experience and interface accessibility. Built modular, reusable components for Tibco's web editor, leading to a 30% increase in user productivity by improving content searchability and navigation.
- Collaborated closely with designers and back-end teams to ensure seamless REST API integration and optimized performance across multiple devices.
- Contributed to the development of a localization framework named Molee, automating the localization process for Tibco software products. Reduced average localization turnaround time from 3-4 weeks to 4-5 days by implementing efficient automation strategies within the Molee framework.
- Utilized JIRA for issue tracking and team coordination, ensuring quick resolution of bugs and feature enhancements.
- Automated UI testing using Selenium WebDriver (Java), ensuring a smooth release process.

Associate Engineer, NPCI, India

Aug 2021 – Dec 2021

- Developed and executed complex SQL queries to enhance data extraction efficiency, resulting in a 15% improvement in database performance. Additionally, implemented a dynamic SQL query using Java JDBC, further optimizing database interactions for streamlined data retrieval.
 - Developed and maintained user-friendly front-end forms and dashboards using HTML5, CSS3, and Java, streamlining data entry workflows. Added email notification functionality using Java, automating processes to improve productivity and reduce manual efforts.
 - Collaborated with UX teams to improve front-end usability and create clean, responsive layouts for internal applications.
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PROJECTS

Expense Management Website

- Developed a full-stack MERN (MongoDB, Express.js, React.js, Node.js) web application focused on personal finance management. Designed a responsive user interface with React.js, allowing users to filter transactions by type and frequency. Integrated interactive charts using libraries like Chart.js to visualize expenses and income trends.

Multiplayer Hand Cricket Game with Chat Application

- Developed a multiplayer hand cricket game in Python using Pygame for graphics and socket programming for networking. Managed game sessions, player moves, and scores through a server, providing a graphical interface for player input and game information.

Portfolio Website

- A portfolio website built with React.js and GSAP animation offers a dynamic, interactive platform to showcase skills and projects, featuring smooth animations and a responsive, modern design.

Smart Home Monitoring System using GSHAM Dataset

- Designed and implemented a Smart Home Monitoring System using the GSHAM dataset with Decision Tree regression, Random Forest regression, and LSTM models. Conducted EDA and data preprocessing with Min-Max scaling. Achieved high performance metrics like MAE and MSE through effective data splitting for training and testing. Created Tableau visualizations to present insights, demonstrating proficiency in big data analytics and data science algorithms

TECHNICAL SKILLS

Java, Python, HTML5, CSS3, Tailwind CSS, Bootstrap, JavaScript, React.js, Node.js, SQL, JDBC, REST API, Git, Postman, WordPress, JIRA, Test-Driven Development, Agile, Data Structures, Distributed Computing, Software Architecture.

CERTIFICATIONS:

- PCAP: Programming Essentials in Python from CISCO
- Artificial Intelligence with Machine Learning in Java from ORACLE Academy
- Database Programming using SQL from ORACLE Academy
- Database Design from ORACLE Academy
- Android App Development from INTERNSHALA
- PHP and MYSQL Training from SPOKEN TUTORIALS
- Spring Framework for Beginners with Spring Boot from UDEMY
- Networking Fundamentals from MICROSOFT TECHNOLOGY ASSOCIATE(MTA)