

Kavya Chowdary Immanni

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PROFESSIONAL SUMMARY

Experienced software engineer with 2 years of programming expertise in Java, Python, JavaScript, React.js, and Node.js. Proficient in data analysis and machine learning, having developed advanced models and visualizations for actionable insights. Demonstrated capability through diverse projects, including a Smart Home Monitoring System and image classification using CNN. Strong background in leveraging data to drive decision-making and optimize processes.

EDUCATION

Saint Louis University, St. Louis, MO

Dec 2024

Major : Master's in Computer Science

CGPA: 3.88

Course work: Principles of Software Development, Introduction to Artificial Intelligence, Data Analytics and Internet of things, Software Architecture, Distributed Computing, 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

Data analyst, Join Hands ESL., St. Louis, MO

Jun 2023 – Nov 2023

- Analyzed data of volunteers, students, and parents to extract meaningful insights.
- Created comprehensive dashboards and visually represented data using Tableau, enhancing data-driven decision-making processes.
- Utilized Excel for data cleaning, transformation, and analysis, ensuring data accuracy and consistency.
- Developed interactive Tableau visualizations to effectively communicate key metrics and trends to stakeholders.

Data analyst, GlobalShala, India

Dec 2022 – Jan 2023

- Analyzed complex datasets to identify patterns, trends, and insights using data analysis techniques. Created detailed and interactive visualizations in Tableau to address key business questions.
- Organized and processed data, including statistics and expenditures, ensuring accuracy and quality through data cleaning and preprocessing.
- Developed and modified report formats and computer application programs to improve data presentation and usability, customizing Tableau reports and dashboards as needed.

Associate Engineer, TIBCO Software Inc., India

Jan 2022 – Dec 2022

- Developed responsive dashboards using React.js, ES6 JavaScript, HTML5, and CSS3 to provide users with intuitive interfaces for viewing statistics.
- Designed and implemented an online web editor utilizing React.js and Java to allow real-time review and updates to translations, enhancing collaboration and workflow efficiency. Integrated search components into the web editor, leading to a 30% increase in content accessibility and productivity for users.
- 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.
- Facilitated communication between the development team and clients, ensuring regular discussions to identify and resolve any challenges encountered by clients when using Tibco Statistica and Nimbus.
- Utilized JIRA for effective issue tracking and resolution, ensuring timely identification and resolution of localization related issues.

Graduate Engineer Trainee, NPCI, India

Jan 2021 – Dec 2021

- Utilized Linux environments for software development and testing tasks, ensuring seamless operations and compatibility across systems.
- 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.
- Collaborated with cross-functional teams to identify and resolve software issues, enhancing overall system performance and user experience.
- Implemented email notification functionality in Java, enabling automated notifications to the entire team upon completion of specific processes, thereby improving team productivity and reducing manual checks.

Data Analyst intern, TCS, India

Aug 2020 – Nov 2020

- Managed master data through creation, updates, and deletion, ensuring data integrity and accuracy across systems. Utilized SQL and JDBC for efficient data manipulation and retrieval.
- Developed and maintained reports and analyses using tools such as SQL and Tableau, providing actionable insights and supporting data-driven decision-making. Leveraged Maven for project management and version control.

Machine Learning Intern, Goal Street, India

Apr 2020 – Jul 2020

- Learned and applied key concepts of machine learning using Python.
- Worked on a live capstone project titled "DIABETES PREDICTION USING MACHINE LEARNING." Collaborated with a team under industry mentors to develop a machine learning model for predicting diabetes.
- Conducted data preprocessing, feature selection, and model training using various machine learning algorithms. Evaluated model performance and optimized parameters to enhance prediction accuracy.
- Documented project progress and presented findings to mentors and peers.
- Demonstrated strong teamwork, problem-solving skills, and the ability to apply theoretical knowledge to practical scenarios.

PROJECTS

Multiplayer Hand Cricket Game with Chat Application

Mar 2024 – May 2024

- 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.

Dice Game (Inspired by "The Goal" by Dr. Eli Goldratt)

Feb 2023 – May 2023

- Created a web application using HTML, CSS, JavaScript, and React for dynamic interfaces. Followed Test-Driven Development principles and Agile methodologies, storing game history with cookies for an enhanced user experience.

Smart Home Monitoring System using GSHAM Dataset

Mar 2023 – May 2023

- 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.

Image Classification using CNN

JAN 2023 – MAR 2023

- Implemented a cutting-edge CNN-based image classification project using Python, TensorFlow, and Keras, achieving 84% accuracy on CIFAR-10 dataset. Utilized advanced ML techniques like ReLU activation, batch normalization, and dropout layers for feature extraction and classification. Employed data preprocessing, model training, evaluation, and optimization methodologies, demonstrating strong analytical and problem-solving skills in ML and data science domains.

TECHNICAL SKILLS

Java, Python, HTML, CSS, JavaScript, React.js, Node.js, SQL, JDBC, REST API, Git, JIRA, Test-Driven Development, Agile, TensorFlow, Keras, CNN, Data Structures, Distributed Computing, Software Architecture, Excel

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)