SHIVAKALYAN NATHI

⚲ INDIA ✉ shivakalyan.nani@gmail.com ☎ 9542563636

in ShivaKalyan Nathi ⚫ ShivaKalyan

Education

Manipal Institute of Technology *Manipal ,KA*
Bachelor of Technology in Information Technology *Oct 2020 – Aug 2024*
- **MINOR SPECIALIZATION:** DIGITAL MARKETING

Experience

Software Engineer Intern *Banglore,KA*
Echo-Gears *Jan 2024 – Aug 2024*
- Developed and Deployed OPEN CHARGE MAP: Designed a comprehensive application for electric vehicle (EV) charging station management, integrating ReactJS for UI and Firebase for real-time data handling.
- Real-Time Data Analysis: Built features to analyze live EV charging station data, enabling optimized route planning and user-centric decision-making.
- Geospatial Data Visualization: Integrated real-time maps and custom data layers to visualize EV station locations and usage patterns effectively.
- Sustainability Insights: Enhanced application functionality to support sustainability initiatives by analyzing energy usage patterns and promoting eco-friendly transportation.

Software Engineer Intern *Hyderabad, TS*
Plural Technology *June 2023 – Aug 2023*
- Backend Data Handling: Designed and implemented efficient backend systems in PHP, focusing on data management and scalability for high-performance applications
- Computer Vision Applications: Applied OpenCV and machine learning techniques to develop image processing and object detection models, gaining experience in large-scale data processing.
- Collaboration in Agile Teams: Participated in cross-functional teams, contributing to task management using JIRA and leveraging Agile methodologies for effective project execution.
- Search Optimization: Redesigned chat file formats and implemented backward compatibility for search functionality, ensuring efficient data retrieval and usability.

Projects

Energy Consumption Analysis
- Objective: Conducted predictive analysis on energy consumption using various machine learning techniques, including LSTM (Long Short-Term Memory), GRU (Gated Recurrent Unit), Linear Regression, and Decision Trees. The project aimed to compare and utilize different modeling techniques to forecast future energy usage with high accuracy.
- Outcome: Developed reliable models to assist organizations in optimizing energy usage, reducing operational costs, and implementing energy-saving strategies.
- Tools Used: Python, TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn

College ERP System
- Objective: Designed and implemented a comprehensive College ERP System to streamline administrative tasks, improve communication, and improve operational efficiency across various departments.
- Features: Automated processes for attendance management, exam scheduling, student records, and fee tracking.
- Outcome: Enhanced productivity and reduced manual efforts by 40 percent, providing a seamless platform to manage college operations efficiently.

- Tools used: Java, MySQL, Spring Boot, Hibernate, HTML, CSS, JavaScript.

Phrase Craft

- Objective: Developed an intuitive and user-friendly language learning platform offering a comprehensive range of resources such as vocabulary, grammar, pronunciation, and conversation practice.
- Features: Leveraged interactive exercises, multimedia content, and personalized learning paths to cater to individual learning styles and adapt to user proficiency levels.
- Outcome: Provided users with an effective tool to achieve their language learning goals, improving cross-cultural communication abilities and overall proficiency.
- Tools Used: Python, Django, SQLite, React Native, TensorFlow

Technologies

Languages: Python, C/C++, Java, SQL, JavaScript

Technologies: TensorFlow, Scikit-learn, Pandas, NumPy, Matplotlib, ReactJS, Django, Spring Boot, MySQL, SQLite, Firebase, OpenCV, Git, XCode

Database and Backend Technologies: Firebase, MySQL, Microsoft SQL Server, SQLite

Web Development Tools: ReactJS, Django, Spring Boot, Hibernate, HTML, CSS

Integrated Development Environments (IDEs): XCode, PyCharm, Visual Studio, Interface Builder

Version Control and Collaboration: Git, JIRA

Certifications

- Machine Learning Specialization by Stanford University - Coursera

- Applied Data Science with Python by the University of Michigan - Coursera

- Deep Learning Specialization by DeepLearning.AI - Coursera