UDAY KIRAN JADI

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EDUCATION

California State University Channel Islands, Camarillo, CA   *08/2024*
Masters's in Computer Science

National Institute of Technology, Raipur – *CPI - 7.27*   *11/2020-04/2024*
Computer Science and Engineering

CAREER OBJECTIVE

A passionate Computer Science graduate with a strong foundation in Machine Learning, Software Engineering, Front-End Development, and Has strong Foundation on Data Structures and Algorithms. Quick to learn and adapt, with proven ability to develop innovative solutions. I am eager to contribute to dynamic projects and further hone my skills in a collaborative environment.

EXPERIENCES

Student Chair, MSFT Committee (CSU Channel Islands, Camarillo, CA)   *11/2024*

-Oversaw the allocation and review of campus funding for technology and facilities projects. Facilitated committee meetings and ensured adherence to university protocols.Prepared comprehensive reports and documentation to support decision-making processes.

Machine Learning Intern at Prodigy infotech (Python,DeepLearning,Jypter)   *04/2024-05/2024*

-Developed and optimized deep learning models in Python, Collaborated with teams to preprocess and analyze datasets using TensorFlow and Scikit-learn. Managed data with MySQL and MongoDB for dynamic web applications, and contributed to the deployment of ML models and code reviews

Summer intern at OCTANET (FrontEnd, Web Development)   *06/2023-07/2023*

-Developed responsive web pages using HTML, CSS, and JavaScript, collaborating with designers and back-end developers to enhance user experiences. Implemented RESTful APIs for improved functionality and gained experience with Git for version control .

PROJECTS

NETFLIX CLONE - **GitHub Repository** .

- Developed a dynamic Netflix-like web application for content exploration, customizing user experience. Created responsive pages with HTML, CSS, and JavaScript, collaborating with teams. Implemented RESTful APIs and used Redux for state management and personalized recommendations, while gaining Git experience for version control .

-Using **HTML, CSS, ReactJS and JavaScript**.

DYNAMIC SCHEDULING USING DRL and A3C transformers : **Paper** .
- Developed a dynamic scheduling system using Deep Reinforcement Learning (DRL) to optimize resource allocation and task scheduling in edge-cloud environments. Implemented an A3C-based optimization system to enhance resource allocation and minimize latency. Conducted cloud simulations to evaluate performance under dynamic conditions, using insights to fine-tune algorithms and improve scalability in real-world applications.

-Using **DEEP-LEARNING,CLOUDSIM,PYTHON,PYTORCH**.

Food Delivery Website(Full Stack) - **GitHub Repository** .
- Developed a full-stack food delivery app using ReactJS, Node.js, and MongoDB, featuring real-time order tracking, secure payment integration (Stripe), and responsive UI/UX design. Implemented RESTful APIs for seamless communication between frontend and backend, and optimized database queries to enhance performance.

-Using **ReactJS,Node.js,MongoDB,RESTful API**.

Loan Approval Prediction :

- This project predicts loan application approvals using data analysis and machine learning. By leveraging historical data, the model assesses factors influencing decisions, helping financial institutions make informed choices.
-Using **Logistic Regression,Random Forest, Pandas, Seaborn, Matplotlib**.

Hand Gesture Recognition : **GitHub Repository** ○.

- This project develops a hand gesture recognition system using Convolutional Neural Networks (CNNs) to accurately classify gestures from images or videos. Using deep learning, the system enhances human-computer interaction and offers intuitive control for various applications. Integrated with interactive applications, it enables navigation based on hand gestures, improving user experience./ -Using **CNN, TensorFlow, Matplotlib**.

TECHNICAL SKILLS

Programming:	**PYTHON**, **C++**, **Javascript,DSA**.
Software & Tools:	Frontend:**HTML, CSS, ReactJS**.
	Backend: **ExpressJS,Nodejs** .
	DataBase: **MySQL**, **MongoDB**,**AWS**.
	Deeplearning: **TensorFlow** .
	Certifications: **Google Data Analytics Link** ⚯.
	Certifications: **SOLIDITY ETHEREUM Link** ⚯.

INTERESTS

- Machine learning
- Software Development
- Quantum Computing
- Problem Solving