Gnanadeep Settykara

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Portfolio: https://gnanadeep-settykara.github.io/Portfolio/ LinkedIn: linkedin.com/in/gnanadeep-settykara/

Skills Summary

- **Languages**: Python, Java, C, C++, HTML, CSS, JavaScript (ES5/ES6), Tailwind CSS
- **Frameworks**: Scikit, NLTK, TensorFlow, Node.js, Express.js, React.js, MongoDB, MySQL, Flask, FastAPI, React Native
- **Tools**: Git, GitHub, Jupyter Notebook, VS Code, PyCharm, Docker, Linux, Windows, Cyclic, Heroku
- **Skills**: ML/AI, Deep Learning, Natural Language Processing, Full-stack, CI/CD, Cloud Platforms (AWS, Azure)

Experience

WALLERO TECHNOLOGIES, INC Bellevue, WA
Software Development Engineer Intern *May 2023 - August 2023*

- **Developed**: an audio-to-text transcription module, reducing manual transcription efforts by 35% and enhancing interview efficiency by 40%. Executed the SDLC life cycle.
- **Integrated**: a sophisticated answer matching algorithm, boosting answer accuracy by 25% and expediting the evaluation process by 20%. Employed agile and scrum working methodologies.
- **Built**: a FastAPI-based RESTful API, enabling real-time data processing. Achieved a 50% faster response time, elevating system performance by 30% for enhanced decision-making.
- **Collaborated**: with a cross-functional team to develop an AI-powered chatbot using NLP algorithms, including NLTK & the ChatterBot Framework. Reduced response time for candidate inquiries by 30% and increased overall user satisfaction by 25%.
- **Utilized**: JavaScript to build interactive UI components that facilitated real-time updates, driving a 40% increase in user engagement, and lowering bounce rate by 25%.
- **Deployed**: the chatbot as a containerized application using Azure Kubernetes Service (AKS), achieving 99.9% uptime, and optimizing resource costs by 30% through efficient scaling.
- **Implemented**: a comprehensive continuous integration and deployment (CI/CD) pipeline, examined Pull requests (PRs), conducted thorough code reviews resulting in a 50% reduction in deployment time.

Projects

- **PREDICTION OF SOLAR ENERGY GENERATION (Python, Pandas, LSTM, TensorFlow, Keras, Flask)**:
  - Designed and launched an LSTM-based predictive model to forecast solar energy generation at Vignan's University, achieving an accuracy rate of over 90%.
  - Proposed optimized maintenance strategies based on model's predictions, resulting in a 15% improvement in panel efficiency and significant cost savings of around INR 30,000 per month.
- **PENNYWISE (MongoDB, Express.js, React, Node.js, Cyclic)**:
  - Created a robust Expense Management System using the MERN stack (MongoDB, Express.js, React, Node.js), resulting in a 25% increase in expense tracking accuracy and a 40% improvement in overall expense management efficiency for users.
- **CODEHUB (Node.js, Express.js, React, JavaScript, HTML, CSS)**:
  - Designed Code-hub, a browser-based collaborative coding platform with syntax highlighting and multi-language support. Built backend using Node.js and Express.js, resulting in 30% faster response time, 99.9% uptime.
- **QTrip (Tech: HTML, CSS, JavaScript, Heroku, REST)**:
  - Created a travel website offering diverse adventures in different cities using HTML, CSS, and JavaScript, resulting in a 20% improvement in user engagement and interaction.

Education

- **ARIZONA STATE UNIVERSITY** Tempe, AZ
  Master of Science; Major in Software Engineering; GPA: 4.0/4.0 *August 2022 - May 2024*
  Courses: *Advanced Data Structures and Algorithms, Data Science for Software Engineers, Foundations of Software Engineering, Software Project, Process & Quality Management, Emerging Languages & Programming Paradigms, Mobile Systems*
- **VIGNAN'S FOUNDATION FOR SCIENCE TECHNOLOGY AND RESEARCH** Vadlamudi, India
  Bachelor of Technology - Major in Computer Science & Engineering; GPA: 9.86/10 *July 2018 - June 2022*

Publications

- **Breast Cancer Classification using Big Data Tools**: published by IJERT; Volume 11, Issue 02 (February 2022). Tech: Python, Logistic regression, random forest classifier, and gradient boosting classification algorithms, Apache spark (February '22) (link)