

Gnanadeep Settykara

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SKILLS SUMMARY

- **Languages:** Python, Java, C, C++, HTML, CSS, JavaScript (ES5/ES6), Tailwind CSS
- **Frameworks:** 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:** Machine Learning, Deep Learning, Natural Language Processing, Full-stack, CI/CD, Cloud Platforms (AWS, Azure)

WORK 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 reducing bounce rate by 25%.
- Deployed the chatbot as a containerized application using Azure Kubernetes Service (AKS), achieving 99.9% uptime, and reducing 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.

ACADEMIC PROJECTS

PREDICTION OF SOLAR ENERGY GENERATION (Tech: Python, Pandas, LSTM, TensorFlow, Keras, Git, 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 (Tech: 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.

EDITROX (Tech: Node.js, Express.js, WebRTC, JavaScript, HTML, CSS)

- Designed Editrox, a browser-based coding editor with syntax highlighting and multi-language support. Built backend API 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

Expected May 2024

Cumulative GPA: 4.0/4.0

Relevant Coursework: 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

June 2022

GPA: 9.86/10.00