Saviti Veerababu

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SKILLS

Languages	Java, Go, Python, C/C++, SQL, JavaScript, HTML/CSS, R
Frameworks:	Django
Build Tools:	Maven
Databases:	PostgreSQL, SQLite
Data Tools:	Excel, Tableau
Version Control:	Git (GitHub)
Developer Tools:	PyCharm, IntelliJ
Soft Skills:	Communication, Adaptability, Leadership, Problem-Solving, Team Collaboration

PROJECTS

Nihonow | *Python, Django, HTML, CSS, JavaScript, PostgreSQL, Git*　　　　　　　　Feb 2025 – Present
- Built a full-stack web application with Django for Japanese language learning, supporting beginner to advanced levels, deployed on Vercel (Live Demo)
- Created quizzes and flashcards to teach grammar, vocabulary, and Kanji effectively
- Used Ably for WebSocket communication to enable real-time interactive features
- Improved performance to handle 80+ concurrent users with consistent reliability

Chat Application | *Java, Java Swing, Socket Programming, SQLite, Maven, Git*　　　　Nov 2024 – Feb 2025
- Developed a peer-to-peer chat application using Java Sockets and Swing, with a real-time messaging interface
- Added file sharing, emoji support, and chat clearing features to improve user experience
- Connected SQLite for message storage and retrieval, using Maven for dependency management
- Enabled loading of conversation history on startup and one-click database resets for convenience

Animated Sign Language | *Python, Django, PostgreSQL, JavaScript*　　　　　　　Nov 2024 – Feb 2025
- Created a Django web application to translate text and speech into animated Indian Sign Language (ISL) gestures, deployed on Vercel (Live Demo)
- Implemented WebKitSpeechRecognition for speech input and NLTK for text processing, including lemmatization and POS tagging
- Used JavaScript to render front-end animations, ensuring accurate tense and syntax for ISL
- Addressed challenges in mapping diverse grammatical structures to ISL representations

TRAINING

Java Trainee　　　　　　　　　　　　　　　　　　　　　　　　　　　　　　Jun 2024 – Jul 2024
Techvanto Academy
- Developed Java applications focusing on object-oriented design, data structures, and multithreading
- Completed projects involving file handling and exception management using Java libraries
- Improved coding efficiency through debugging techniques and best practices
- Designed reusable Java modules to streamline development and enhance code maintainability

CERTIFICATIONS

Introduction to Internet of Things　　　　　　　　　　　　　　　　　　　Jul 2024 – Oct 2024
NPTEL
- Achieved top 5% ranking among 78,600 participants (Certificate)

Dynamic Programming, Greedy Algorithms　　　　　　　　　　　　　　　Apr 2024 – Apr 2024
Coursera
- Completed course on dynamic programming and greedy algorithms (Certificate)

Algorithmic Toolbox　　　　　　　　　　　　　　　　　　　　　　　　　Dec 2023 – Feb 2024
Coursera
- Completed course on algorithmic problem-solving (Certificate)

EDUCATION

Lovely Professional University　　　　　　　　　　　　　　　　　　　　Phagwara, Punjab
Bachelor of Technology in Computer Science　　　　　　　　　　　　　　　　　　*Pursuing*

Sri Chaitanya Junior College　　　　　　　　　　　　　　　　　Kakinada, Andhra Pradesh
Intermediate with PCM　　　　　　　　　　　　　　　　　　　　　*Jul 2019 – May 2021*