

KAVIYA V

ASSOCIATE SOFTWARE ENGINEER

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EDUCATION

B.E. Computer Science And Engineering (CGPA: 8.2/10.0) 2025

Ganadhipathy Tulsi's Jain Engineering College - Vellore, Tamil Nadu

Relevant CourseWork: Data Structures, Algorithms, AI & ML, Software Engineering Essentials.

TECHNICAL SKILLS

Programming Languages	Python, Java
Web Technologies	HTML5, CSS3, Javascript, Flask, Django, React
Backend	Python, Flask, Django
Databases	MySQL, SQLite, SQL
Core CS Concepts	OOP, SDLC, OS Concepts, Networking Basics, Cloud Fundamentals
Tools and Platforms	GitHub/Git, VS Code, Ubuntu, MS Office

INTERNSHIP EXPERIENCE

June 2024 – August 2024

Front End Developer Intern, Inodesys – Chennai, TamilNadu

- Designed and developed **responsive UI components**, improving page load performance by **30%**.
- Participated actively in the **Software Development Life Cycle (SDLC)** including requirement understanding, development, testing, and bug fixing.
- Performed **root cause analysis** on production issues and implemented stable fixes to reduce user impact.
- Integrated **RESTful APIs** to support seamless data flow between frontend and backend systems.
- Collaborated with cross-functional teams and followed coding standards and peer review processes.

PROJECTS

AI-BASED GOVERNMENT SCHEME ACCESSIBILITY PLATFORM

- Designed and built a context-aware NLP chatbot using Python and Flask to assist users in identifying relevant government schemes.
- Implemented a two-stage Ensemble Learning model (Naive Bayes + SVM) to improve recommendation accuracy.
- Achieved 88% prediction accuracy, enhancing user-specific personalization.
- Applied business-driven logic to ensure scalability, maintainability, and performance optimization.

SENTIMENT ANALYSIS SYSTEM

- Developed a scalable system to classify feedback as **positive, negative, or neutral**.
- Applied **NLP preprocessing** (tokenization, stemming, Word2Vec embeddings) on a dataset of **10,000+ samples**.
- Trained and evaluated multiple models, achieving **85% accuracy**, a **20% improvement** over baseline.
- Deployed locally using **Streamlit** to simulate real-time analysis.

ACHIEVEMENTS

Presented the AI-driven project at the **International Conference on INNOVATION IN COMPUTING AND TECHNOLOGY**.

First Place – Paper Presentation (AR & VR)

Second Place - Technical Quiz | **Third Place** – Debugging

CERTIFICATIONS: Network Security, CISCO(Network Essentials), DevOps(Naan Mudhalvan)