

# VINIT JAHAGIRDAR

Santa Clara, California

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## Education

### Santa Clara University

Sept 2022 – June 2024

*Master of Science in Information Systems*

*Santa Clara, CA*

Coursework: Data Structures and Algorithms, Object Oriented Programming, Database Management, Natural Language Processing, Cloud Computing, Software Project Management, Data Warehousing

## Technical Skills

**Languages:** Python, Java, HTML/CSS, JavaScript, SQL

**Technologies:** Linux, Git, Amazon Web Service, Docker, Rest APIs, MySQL, MongoDB

**Frameworks and Libraries:** Django, ReactJS, Node.JS

**Artificial Intelligence:** Natural Language Processing, Deep Learning, LLMs, LangChain, PyTorch

## Experience

### Hermis, Inc.

Dec 2023 – Present

*Software Engineer Intern*

*Santa Clara, CA*

- Enhanced user experience: Built question-answering systems for text documents and URLs, leveraging open-source LLMs (mistral-7b, zephyr-7b) to achieve 10% faster response times and more accuracy and quality in search results.
- Streamlined prompt engineering and model optimization: Utilized LangChain Framework to reduce model training time by 30%, enabling quicker feature iteration and deployment.
- Seamless feature integration: Built APIs to integrate chat as a product feature, eliminating the need for costly API calls to proprietary LLM services and saving the company significant expenses.
- Effective collaboration and UI development: Collaborated with team members using Git and Notion for task management, while contributing to the creation of UI components in React to enhance user interaction and engagement.

### Intuitive

Jan 2023 – June 2023

*Data Science Intern*

*Sunnyvale, CA*

- Processed and studied vast volumes of text data using natural language processing techniques, eliminating noise and discrepancies to enhance data quality for advanced analytics, resulting in more accurate insights and decision-making.
- Implemented NLP methodologies and leveraged Hugging Face pipelines to extract essential sentences and keywords from text data, lead to 40% reduction in information handling time for the Investor Relations team's business insights.
- Applied Universal sentence encoder models to enhance quarterly trend identification accuracy by 20%, while achieving a 95% success rate in emotional tone detection for keyword-related conversations, and created visualization dashboards.
- Automated manual transcript reading using a Machine Learning Pipeline, reducing downtime from hours to 15 minutes.

### Decibels Lab

Oct 2021 – Nov 2021

*Data Science Intern*

*Bengaluru, India*

- Conducted data wrangling to transform raw data into a clean and usable format, utilizing Python and its libraries.
- Orchestrated path optimization for a material handling warehouse robot, implementing Q-learning and Reinforcement Learning Algorithms and achieved 25% reduction in robot travel time to its final destination.
- Analyzed material properties across varying temperatures, employing Linear Regression algorithm at 92% accuracy.
- Collaborated with cross-functional delivery teams and achieved a 95% on-time project completion rate.

## Projects

### ShopNest - E-commerce Website | *Django, Tailwind CSS, Stripe API* | [GitHub Link](#)

- Developed a dynamic full-stack website featuring a responsive design, equipped with category-based filtering, user authentication, dynamic cart updates, and a streamlined checkout process.

### Trekvel - Travel App | *NextJS, Tailwind CSS* | [GitHub Link](#)

- Orchestrated a sleek user interface for the landing page of a travel app, implementing responsive design principles to ensure an optimal user experience across various devices.

### Harmony - Musical Chatbot | *LangChain, ReactJS, Chainlit, OpenAI API* | [GitHub Link](#)

- Engineered a music chatbot to assist in creative music composition, fostering user-friendly conversations. Users can input artist or genre references, resulting in the generation of lyrics that emulate diverse artistic styles.