DEEPTHI JAGALUR VISHWANATH

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EDUCATION

Syracuse University   **Syracuse, NY**
Master of Science – Computer Science   *August 2022 – May 2024*
Coursework: Design and Analysis of Algorithms, Operating Systems, Artificial Intelligence, Android Programming, OOD
GPA: 3.84

Visvesvaraya Technological University   **Belgaum, India**
Bachelor of Engineering – Computer Science   *August 2015 – August 2019*
Coursework: OOP in Java, Data Structures, Web Development, Machine Learning, Database Management Systems

PROFESSIONAL EXPERIENCE

Cleo Communications   **Rockford, IL (Remote)**
Software Engineering Intern   *June 2023 – Present*
- Exploring and testing accuracies of various AI models including OpenAI, VertexAI, Azure cognitive services etc., to tailor an AI Chatbot to serve over 500 Cleo engineers and multiple customers.
- Training AI with Cleo's documentation and developing web applications using Python, Flask/Panel to achieve an 80x improvement in content search and building faster integrations.
- Designing and developing a feature employing TypeScript, Postgres, HTML, CSS and Angular to generate reports based on user-specified time range for improved data analysis and tracking.
- Creating test automation suites with Mocha and Cypress, to result in a 60% decrease in manual testing efforts.

Cleo Communications   **Bangalore, India**
Implementation Engineer 1   *July 2019 – July 2022*
- Researched over 12 existing customers projects and implemented reusable integrations to integrate EDI systems with NetSuite ERP and TruckMate system, contributing to 50% effort reduction in integration development.
- Communicated with overseas customers to understand business requirements and engineered automated processes for data flows eliminating manual work and saving time by 80%.
- Built B2B integrations for seven customers in order to facilitate data flow for inbound and outbound transactions to enable communication with various ERPs including Gentran, TMS, JDE.
- Integrated JDE with CH Robinson API, leading to an 80% decrease in manual labor for a customer.
- Trained and mentored a team of 8 new hires on EDI and CIC products.

Fiabilite Network Solutions   **Bangalore, India**
Data Analytics Intern   *August 2018 – September 2018*
- Performed data analysis by applying various classification and regression algorithms using Python for improved decision making.
- Collaborated with a team of 4 members to deliver a data analytical project "Weather Forecast System" to predict weather based on data collected through sensors.

Zikrabyte Solutions   **Bangalore, India**
Web Development Intern   *January 2018 – February 2018*
- Developed web pages employing HTML, CSS and PHP technologies for a banking application, resulting in a 50% decrease in manual efforts.

PROJECTS

Sentiment and emotion analysis on ChatGPT   *March 2023 – April 2023*
- Led a team of 6 to devise a Python model for scraping tweets related to ChatGPT, performed data preprocessing and classified tweets based on sentiments as positive, neutral and negative.
- Model further segmented tweets by 10 emotions such as trust, anger, and joy contributing to make important analysis on predicting ChatGPT's future based on Twitter dataset.

OpenAI Chatbot   *July 2023 – July 2023*
- Devised a chatbot based on OpenAI embeddings, large language model and Conversation buffer memory to generate embeddings for 2000 pages document and answer to user's queries based on document's context.

Blood donation system   *October 2017 – November 2017*
- System crafted using HTML, CSS, PHP and MySQL to eliminate manual registration time and enhance donor searching efficiency by 70%. It consists of Donor, Patient modules for registration, searching for blood and an admin module for managing system information.

TECHNICAL SKILLS

Programming Languages: Java, C, Python, Javascript, Typescript, Kotlin
Web Development: HTML, CSS, PHP, Angular
Databases: MySQL, MongoDB, PostgreSQL, Amazon RDS
Others: Git, Docker, AWS, Jira, Jenkins, Kibana, Mocha, Cypress

HONOR & AWARDS

- **Cleo Innovation Award** in *August 2021*, for displaying best-in-class Supply Chain business expertise and developing reusable templates.
- **Cleo Kicks Award** in *October 2020*, for delivering optimized solutions, addressing critical issues quickly and achieving customer satisfaction.