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EXPERIENCE

Software Engineer   **Shell India**   **Sep 2020 - Present**
- Using SQL and Object Oriented ABAP to build bank specific regulatory services for international payments. Wrote a white paper on the same for Knowledge documentation and dealing with similar problem statements.
- Built a MVC Web App for monitoring retail data using SAP UI5 and ECMA Javascript

Research Assistant   **Ramaiah Institute of Technology**   **July 2019 - June 2020**
- Compared and Contrasted Classifier Encoder combinations for identifying user intent from Code mixed Hindi-English and Kannada-English queries.
- Published an Open Source Rule Based Entity Extraction Module for Python, built specifically for Hindi-English and Kannada-English queries
- Built an autonomous, crowdsourced, data collection platform using Cron,Telegram, AWS and MongoDB.
- Built an API testing dashboard using React, Flask-Restful, axios,and joblib to verify Response structures and Response times across all the interconnected modules of the Backend.
- Refactored the date utility in python 3 to support Hindi and Kannada date objects(day,month,year,time).

ML and Software Engineering Intern   **Vahan Inc**   **Jan 2020 - June 2020**

- Used Selenium, Hadoop MapReduce, and Tesseract to build one of the largest repositories of Indian names on the web, that would then serve as a lookup table for identifying Name specific information in end-user chat messages. This helped the Operations team easily identify verified, real-world end users, drastically reduce noise in internal user databases caused by spam and non-contributive end users/end user messages, and reduce investment in external 3rd party verification services.
- Refactored the chat validation module that is used to categorize and validate incoming end user chat messages into one of many different categories, making use of Syntactic and Morphological features. Increased recall of the same from 85% to 95%.
- Built an Aadhar verification module to exploit QR code encoded end-user info rather than Vanilla OCR, decreasing reliability on 3rd party OCR engine by 33%.

SKILLS

Languages	Java, Javascript, Python
Web Frameworks	React, Bootstrap4
Databases and Server Frameworks	MySQL,MongoDB, Flask
Version Control	Git, GitHub,
Software Tools	Jira, Confluence

PROJECTS

- **BlogBuilderLite**: A static website builder deployed as a CLI and built in Python, HTML and Javascript. Puts an emphasis on reducing end to end installation-to-website time by reducing bloatware and simplifying markdown creation and usage.

EDUCATION

Ramaiah Institute of Technology, Bangalore   **August 2016 – August 2020**
Bachelor of Engineering, Information Science and Engineering