

Chennai, TN
India. PIN - 600096

VIGNESH VENKATESH

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EMPLOYMENT

Member of Technical Staff III	Verizon India	August 2017 - Present
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- Currently working as part of the Enterprise Search & Innovation team.
- Introduced a content understanding feature to extract answers understanding the query.
- Created an auto correct feature for people search using edit distance and improved the phonetic understanding of people names using a custom soundex algorithm.
- Improving Search Quality via Ranking, Machine Learning and Natural Language Processing.
- Implemented a Data Pipeline for the models to learn in real time and automated the process to validate classification and named entity recognition systems.
- Developed an Voice Based Navigation user experience for web and mobile applications.

Senior Software Engineer	Samsung R&D Institute	Nov 2016 - Aug 2017
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- Worked as a part of the Advanced AI Division for SVoice (Bixby).
- Worked on machine learning and deep learning for developing state of the art language models in natural language understanding using parallel computing, distributed clusters to train the model using multi GPU's and developed back end web services to serve the model.
- Collaborated effectively with a small team of speech recognition experts, architecture engineering team to resolve bottlenecks in accuracy and performance of large scale systems.

Software Engineer	HCL Technologies	Oct 2014 - Nov 2016
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- Developed an Audit Trail Feature in Cisco Prime Collaboration Provisioning Product at the scale which tracks down the behavioral and usage patterns of the user in the entire application and exposed it as a service for the analytics team to draw insights about the customer experience and Implemented monitoring to check the health of web services ensuring high availability.
- Utilised JSON-B in PostgreSQL to increase the performance of the audit tracking feature.

Software Development Engineer, Intern	State Bank of India	Summer 2014
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- Worked in the Business Intelligence Team for the Inventory Funding Department at HQ.
- Task was to collect the data from different sources to aggregate and understand the Inventory Forecast.
- The Insights delivered from the data model helped the team to cluster customers and design targeted plans that would be more aligned to attract the automotive industry and offer additional benefits to existing clients.

Languages and Technologies

- Programming Languages - Java, Python
- Database - MySQL, OracleDB, PostgreSQL, NOSQL, Redis
- Web Frameworks - Spring Boot, AngularJS, Flask, Hibernate, Vert.x(basic)
- Deep Learning Frameworks - TensorFlow, PyTorch, Keras, Stanford CoreNLP
- Tools - Apache Maven, Ant, Git, SVN, Perforce

EDUCATION

Chennai, India	Velammal Engineering College	Aug 2009 - May 2013
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- B.Tech. in Information Technology

ACHIEVEMENTS AND RESPONSIBILITIES

- Received Above and Beyond Award for developing innovative solutions at Verizon in May 2020.
- Received Spotlight Award consistently in the month of Aug 2019, Dec 2018, Jan 2018 respectively.