VENKAT GANUGAPATI

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❖ Python, Java & C++ ❖ REST APIs, Microservices ❖ Distributed Systems, Data Structures, Algorithms
❖ Git, Cloud, AWS, Docker, VMware ❖ SQL, NoSQL ❖ Spring Boot, Django ❖ Keras, Pytorch

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EDUCATION

BITS PILANI (BIRLA INSTITUTE OF TECHNOLOGY AND SCIENCE) **Computer Science – Bachelors in Engineering (Hons.)**	2013-2017
PLAKSHA UNIVERSITY (Partnership with UC Berkeley) **Technology Leaders Fellowship (DataX Progam)**	2019-2020

WORK EXPERIENCE

ENTREPRENEUR FIRST, FOUNDER-IN-RESIDENCE	AUG 2020 – PRESENT

- ❖ Founded StyleSense, backed by an early-stage investor & Myntra's Associate Vice President.
- ❖ Designed and developed from scratch, backend for a SaaS product that evaluates fashion merchandise, extracts attributes and grades the best buy for retailers & brands.
- ❖ Entreprenuer First is a startup incubator/investor with an acceptance rate of 2-3%. It is backed by founders of LinkedIn, PayPal, DeepMind (Google) & Venture Capitalists from Silicon Valley and Europe.

DELL EMC, SOFTWARE DEVELOPER 2	OCT 2018 – AUG 2019

- ❖ VPLEX provides high availability, data protection & other features using virtual storage for distributed datacenters spread across geographical locations. Used **Python** & **Java** across multiple projects as follows :
- ❖ **Data Path Orchestration** – Developed Linux kernel modules and frameworks to orchestrate a failover data path for upto 10 TB of I/O through VPLEX's management console while ensuring cloud uptime.
- ❖ **CLI commands** – Extensively worked on CLI commands for Non-Disruptive Upgrade and health-check for each of VPLEX clusters.
- ❖ **Non-Disruptive Insertion** – Developed patent-winning methodology using REST APIs to introduce the product into an existing virtualized cloud ecosystem with zero disruption and high availability.
- ❖ **Enterprise Licensing** – Developed frameworks for automated licensing entitlement & management capabilities.
- ❖ Managed 3+ developers to build various features for functionality of management console for VPLEX
- ❖ Mentored interns and junior colleagues to develop proof-of-concepts, participated in code reviews & worked with cross-geo sales, marketing & customer teams for product feature presentations and feedback.

DELL EMC, SOFTWARE DEVELOPER 1	AUG 2017 – SEP 2018

- ❖ **Performance** – Developed tools and frameworks to improve the performance of the management console by at least 40% after introducing better algorithms for inter-cluster communication.
- ❖ Developed and exposed REST APIs for a web application of VPLEX and VMware console.

PROJECT/INTERNSHIPS

- ❖ **2019**, Algorithmic Trading – Univ. of California (Remote, DataX Fellowship)
  - Developed a trading system using historical price and orderbook data (and deployed on **Amazon AWS**)
  - Used Technical Indicators, Mean-Reversion, Statistical Arbitrage, Fourier analysis & Pairs Trading.
  - Trained and tuned Random Forests, LSTM, CNN models in attaining an accuracy of more than 60%.
- ❖ **2019**, Mindhouse (Internship, Gurgaon) – Incorporated WebRTC to enable live video streaming inside an app (10k+ downloads on Play Store)
- ❖ **2019**, Nagarro (Internship, Gurgaon) – **Python, Google Firebase** – Built a health app with leaderboard and challenges for 6k+ employees of Nagarro.
- ❖ **2016,** Carborundum Universal Ltd – **Linux, Apache Server, MySQL, PHP** – Developed a version-controlled datasheet management software with authentication capabilities
- ❖ **2015**, Dept. of Comp Science, BITS Pilani – **C++, OpenCV** – Real-time facial and object recognition application for low-resolution videos from CCTVs etc.

EXTRA-CURRICULAR ACHIEVEMENTS

- ★ ACM-ICPC : India Finalist, All-India 22nd in International Programming Contest 2014 at IIT Kharagpur
- ★ Dell EMC Patent-pending for proprietary software developed as part of a proof-of-concept undertaken.