**Anandkrishna R**

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| Education Details | | | |
| **Degree** | **Institute/University School** | **Year** | **Percentage/CGPA** |
| M.Tech (IT) | Anna University, Chennai | 2014-16 | 8.0 |
| B.Tech (IT) | L.B.S. College of Engineering, Kasaragod | 2008-12 | 65.7% |
| Class XII | Hari Sri Vidya Nidhi School, Thrissur (ISC) | 2007-08 | 87.6% |
| Class X | Hari Sri Vidya Nidhi School, Thrissur (ICSE) | 2005-06 | 74.0% |

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| Work Experience | | | |
| **Engineer -1** | **Cognizant Technology Solutions India Pvt. Ltd.** | | **July 2016 – Present** |
| * Cognizant BigDecisions | | July 2017 – Present | |
| * BigDecisions is a Cognizant owned **Big Data** product that is targeted at end-to-end big data congregation, data preparation and analytics. The product is built on the **microservice architecture**. I have worked as part of the analytics module called **Data Science Workbench**. The primary role involved building general purpose analytics use cases that are in demand. These include new algorithms, data preparation flows etc. As part of analytical model, implemented **model life cycle** within the platform with the introduction of a dedicated model management section. * The engine of the Analytics platform supports algorithms in **R**, **Python**, **Scala** and **PySpark**, where the former two are used for low volume data and the latter two are for large volume distributed computing. * The analytics engine supports data source like **SQL Server**, **Redshift**, **Oracle** and **Teradata** and cloud databases like **SQL DB** and **SQL Warehouse**. Apart from these, **Hive** an **HDFS** sources are also supported. File based sources from **Microsoft Azure Data Lake** (Gen1 and Gen2) and **Amazon S3**, both on their proprietary on-demand clusters **HDInsight** and **EMR** adds access to real time data dumps to the application. * Been a part of the development of this module since Version 3.6 and currently working on the release of Version 5.0. There were nine quarterly releases and three minor release patches. The current version is a major release that has a combination of batch as well as streaming sources that will eventually be supported in the Analytics platform as well. During this duration, progressed from implementing minor user stories to designing and implementing major architecture changes and flows within the module. | | | |
| * OneRetail | December 2016 – July 2017 | | |
| * A retail application that was built on traditional methods were rebuilt using SSIS for data movement and R algorithms as the analytics engine. This was the first phase of the project where the algorithms to be used were predefined by the customer based on the prior experience. This included the use of **Granger causality**, **correlation** and the native **forecast** methods in R. It laid the foundation for the next phase. * Phase 2 of the project was to create a near real-time analytics application on the customer purchase behaviour and the conversion. This involved active R & D on the analytics stack and trying out various new approached like the inverted pyramid approach of user flow. This phase also gave the opportunity to improvise the results of Phase 1. We were able to try out different algorithms, **data normalisations** as well as **hyper parameter tuning** methods to observe and analyse the results. These were completed as a POC and delivered. | | | |
| **Chief Technology Officer** | **Cybofix Technologies, Pvt Ltd.** | | **August 2012 – January 2014** |
| * Cemrella Security | August 2012 – November 2014 | | |
| * **Developed** the Cembrella Mobile Security application - A complete mobile theft protection system for the Android platform * Research & Development in scalable applications of Ad-hoc mobile networks to from a CUG to establish communication in areas of poor network/ network failure | | | |

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| Academic Projects | | |
| **Academic Project -1** | **Anna University** | **May 2015 – December 2015** |
| * Worked in academic projects in research on performance optimisation of data processing in increments using bloom filters using Hadoop platform * It involved studying and recording data streams and methods to process and record the streams using Hadoop MR using the aid of bloom filters | | |
| **Academic Project -2** | **Anna University** | **December 2015 – May 2016** |
| * Worked in academic project for the extraction of patterns of frequent occurrence from a large collection of hierarchical data structures like graphs using the Map-Reduce approach | | |

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| Academic and other Achievements |
| * Published a paper titled **“Improving MapReduce for Incremental Processing Using Map Data Storage”** on Elsevier (Science Direct) during the 4th International Conference on Recent Trends in Computer Science & Engineering, 2016 * ACE Award Winner twice for the most Excelling employee. |

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| Certifications |
| * **6.00.1x: Introduction to Computer Science and Programming Using Python** in January 2014, and upgraded the same to **Python 3** in 2017, through courses of study offered by MITx |

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| Extra-Curricular Activities |
| **Astronomy** |
| * Involved in active stargazing and astronomical events, organised events with friends & colleagues for various occasions * Witnessed the **Venus transit** in 2004 & 2012, the only two that my generation can witness. * Witnessed the **Closest approach of Mars** in the last 15 Years that occurred in 31st July 2018 and a **Total Lunar Eclipse** that occurred a couple of days before, on the 27th of July. |
| **Social Activities** |
| * Actively involved in **College Documentary Club** to help people in rural areas think progressively and scientifically. * Involved in activities of spreading the message of **Climate Change** since 2005 and organised various knowledge sharing events in School and College. * Involved in various birding events along with the **Hyderabad Birding Pals**. |
| **Sports** |
| * **Runner up** in school table tennis in the Annual Sports Day 2007 |

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| Personal Details |
| * Date of Birth: 29/09/1990 * Place of Birth: Thrissur * Languages known: English, Hindi, Tamil and Malayalam * Nationality: Indian * Passport No.: L3748051 |