

Senior Python Developer Senior Python Developer Applied Scientist / Software Engineer / DevOps Consultant Bellevue, WA 5+ years experience in Full Stack Software Development, Business Analytics, Data Science, DevOps Sponsorship required to work in the US Work Experience Senior Python Developer Futurewei R&D - Bellevue, WA May 2019 to Present Built the application for Global Network Topology representing Alarms prediction data using Python, AngularJS and d3.js Developed a secured automated pipeline to scrape data for almost 20 million nodes spread across various channels. Working on a model to minimize the collisions for reducing congestion across the network based on alarms prediction. Full Stack Cloud Data/Site Reliability Engineering Capital One - Virginia November 2017 to May 2019 Engineered ad-hoc statistical scripts/visual tools to automate the weekly server capacity optimizing server utilization. Developed ML scripts to predict the incidents with 96% accuracy, 8 mins ahead thereby improving the efficiency of the LOBs production incident management on data-center to 250% using time-series incident data and services response time. Facilitated with various cross functional teams in building in-house tools for smart Ops promoting operational excellence. Composed custom scripts to update DNS records for network health checks with maximum reliability and traffic rerouting. Performed capacity planning with automation to build large scale, highly available fault-tolerant systems catering >10k Tr/s. Contributed to build TLS Proxy server scripts from scratch (currently into production environment), complying to PCI DSS. Drafting and maintaining operational runbooks along with reviewing services performance to handle peak TPS ML Engineering Intern Capital One January 2017 to October 2017 ? Parsed the data from collateral/financial documents and exposed the API as a microservice over Keras & Tensorflow ? Designed and deployed plots using matplotlib and seaborn to plot real-time n-grams leveraging apriori algorithm by gathering data from multiple sources focusing on high-profit business. This was used across the LOBs senior leadership. ? Contributed to the development of machine learning models in python and exposed it as Flask API Developed the UI using AngularJS, Bower and Gulp stack to consume python and Java API endpoints over Postgres Graduate Assistant Missouri University of Science and Technology November 2015 to May 2016 Working on IBM Watson project to optimize the existing

multidimensional visualizations of machine learning engine using python. Data Scientist Bizacuity August 2014 to June 2015 Bizacuity Solutions Pvt Ltd.) ? Forecasted the data based on various prediction algorithms and scrutinize the variances between them ? Used various mathematical models between different data entities and find the correlation between them to figure out the dependencies and forecast the implications of one on the rest using R & Matlab ETL Engineer Bizacuity September 2014 to January 2015 R, Python, Vertica Projects ? Used R to apply various correlation and regression models and deduced the requested data. Was involved into predictive data analytics of a client ? Did an Estimation of the acquisition/retention costs of the users, budget to be allocated and projecting the revenues and profits for few fiscal years based on many entities ETL Engineer/ BI Analyst Bizacuity Solutions Pvt Ltd October 2013 to July 2014 ? Understood the client requirements based on various entities, designing the architecture including various schemas and tested functionalities of different DBMS-ETL tools to be used ? Built the whole ETL with all the corresponding SQLs including the sanitary checks on the data and automated it ready for reporting ? Designed and Script in Shell to automate the Daily Metadata Backup and Daily ETL-Reporting process ? Developed and managed the BI dependency plan, DW lifecycle management and job scheduling ? Analysed and Determined the optimal approach for obtaining the data from different source platforms ? Forecasting the revenue at the game level by mining the data accumulated from various third parties ? Had regular onsite meeting with the top management team of the client regarding the required analysis Full Stack Engineer Synapz Adaptive Technologies Pvt. Ltd May 2013 to September 2013 ? Proficient in version control software, Git and managing the private repository of the firm in GitHub ? Worked extensively at the feature level on Phabricator in managing/reviewing code of 12 interns ? Designed the testing platform and building it. Discussed and assigned ranks/weights for large corpus of questionnaire. Algorithm was a hybrid of Elo Rating system and random walk algorithm ? Handled real-time concurrency issues due to parallel accessing/manipulation of weights as per the algorithm Strategic Communications Analyst (Summer Internship) Future Group May 2012 to July 2012 ? Gathered / synthesized research data to complete various projects as part of which implemented SQL queries and ETLs to mine information

from large data clusters ? Contributed to data of Supply Chain Management and FMCG sales and collaborated with senior leadership to synthesize business processes and recommend efficient operating models

Education Bachelor's in Bachelor of Technology in Computer Science International Institute of Information Technology - Hyderabad, Telangana M.S in Information Science (Data Science/ML Specialization) Missouri University of Science and Technology - Rolla, MO

Skills Python (7 years), C (3 years), Java (4 years), Matlab (3 years), R (6 years), SQL (7 years), Javascript (3 years), AWS (5 years), C++ (4 years), Git (7 years), Ruby (2 years), Node, Angular, Angularjs, MYSQL, HTML 5, CSS, Spark (2 years)

Links <https://www.linkedin.com/in/kirannarik> <http://web.iiit.ac.in/~kirankumar.thota>

<http://highelves.github.io/> Assessments Data Analysis Highly Proficient December 2018 Measures a candidate's skill in interpreting and producing graphs, identifying trends, and drawing justifiable conclusions from data. Full results:

https://share.indeedassessments.com/share_assignment/tcqjby7ygscgrslf Python Development Skills Highly Proficient December 2018 Measures a candidate's ability to apply a fundamental understanding Python data types and structures to identify errors and create scripts. Full results:

https://share.indeedassessments.com/share_assignment/w1huhl rhj-ktgnwm Indeed Assessments provides skills tests that are not indicative of a license or certification, or continued development in any professional field. Additional Information Technical Skill Set: * GNU/C * GNU/C++ * R * C/Python * SAS * MATLAB * Git * Octave * Ruby * Sublime Text * * MySQL * Vim * Oracle * Vertica * InfiniDB * * R Studio * Qlikview * InfoBright * SAS Enterprise Miner * SAP Predictive Analytics * * Eclipse * TextMate * Gedit Netbeans * * Tableau * * * Pentaho Data Integration MicroStrategy Desktop SQLite * Javascript *

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