**Sai Krishna Nikhil Jonnavithula**

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**EDUCATION**

Lovely Professional University, LPU, Jalandhar, Punjab *Aug 2016 – Jun 2020*

* B.E. IN COMPUTER ENGINEERING
* CGPA – 9.56

Intermediate, Narayana Junior College, Visakhapatnam, AP *Aug 2014 – Jun 2016*

* Intermediate
* Percentage – 97.6%

Ravindra Bharathi School, Visakapatnam, AP *Aug 2013 – Jun 2014*

* Class 10
* CGPA – 9.5

**EXPERIENCE**

*Project Intern, IBM ISL*, Bengaluru, India *Jan 2019 – Jul 2020*

* As an ***18-month full-time intern***, while pursuing undergrad, I’ve worked in **Watson Financial Crimes Insights** and made contributions in major projects while working across various squads.
* Worked on multiple projects: Design Studio, Negative News classification, Topic Modelling, Market Manipulation, Watson Studio Local, ICP4D, and IBM Trend Detection Service.
* Gained experience in fields like *Natural Language Processing, Cognitive Systems, Knowledge Graphs, Machine Learning, Distributed Systems, Data Handling, Visualization and Analytics, Deployments.*
* Gained Industry-exposure and team-interaction skills through Scrum methodologies, GitHub and ZenHub issue management.
* Patent under review for ‘*System and Method to identify co-reference of the negative news and separate the new topics from followed-up articles*’, **Patent Pending.** (Record ID – 95955641)

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**TECHNICAL SKILLS**

* **Strongest Areas:** Machine Learning, Natural Language Processing, Data Analytics and Visualizations, Python Development, Deep Learning, Statistics
* **Languages:** Python, C++, C
* **Frameworks and Libraries:** Scikit-Learn, NLTK, NetworkX, TensorFlow, Keras, Spark ML, PySpark, SpaCy, Gensim, AllenNLP, Jupyter Notebooks, Pandas, Matplotlib, Seaborn, Folium, IBM db2, MySQL, Flask, Flask RESTPlus, PyQt, Hadoop, Kubernetes

**PROJECTS**

**Title:** Preprocess NLP *Feb 2020 – Mar 2020*

**Technologies:** Python, NLTK, SpaCy, YAKE, Gensim, Scikit-Learn

**Description:** A fast framework for pre-processing (Cleaning text, Reduction of vocabulary, Feature extraction and Vectorization) which supports parallel processing using a custom number of processes.

**Title:** Space-Sense *Feb 2019 – Mar 2019*

**Technologies:** Python, Scikit-Learn, OpenCV, Matplotlib, Seaborn, Pandas and NumPy

**Description:** A recommendation engine based on personality matching. Recommendations are extracted from the IKEA image dataset of furniture. It includes data handling, image tagging, and recommendation techniques.

**Title:** Movie Data Analysis *Sep 2018 – Oct 2018*

**Technologies:** Python, Scikit-Learn, TensorFlow, OpenCV, Matplotlib, Seaborn, Pandas and NumPy

**Brief Description:** A project submitted for the IBM Hack-Challenge conducted across India, won the Jury Award among various registrations. An intuitive way to gain insights from the dataset by taking in the queries from the user in a high-level language like English. It provides output in the form of visualization charts or simple text-based answers. As a team leader, worked on data processing, visualization and machine learning code.

**Title:** Image Segmentation *Oct 2018 – Nov 2018*

**Technologies:** Python, OpenCV, Scikit-Learn, Fuzzy Logics, Seaborn

**Description:** Implemented python code using OpenCV to separate the foreground and background of an image and fill the subject of interest with a contrast color of the background eliminated.

**Title:** Generic Regression Template *Nov 2017 – Dec 2017*

**Technologies:** Python, Scikit-Learn, Matplotlib, Seaborn, Pandas and NumPy

**Description:** A Machine Learning project which serves as a template to compare and contrast five different regression models. Expected input is a numerical dataset, the output is the best regression algorithm for the input.

**AWARDS AND ACHIEVEMENTS**

* Received ‘The Jury Award’ for online IBM Hack-Challenge, conducted across India with over 3000 Registrations, 2018.
* Awarded ‘University Honor Roll’ twice for the years 2016-17 and 2017-18 at Lovely Professional University for academic excellence.
* Runner-up for university-level Competitive-Coding contest conducted by Programming Pathshala, 2018.
* Awarded 1st prize for the Machine Learning Quiz competition conducted by Google Cloud at LPU, 2017.
* Awarded 2nd prize for the contest ‘Real Animators’ at Lovely Professional University, 2017.
* Enlisted in the top 3% for the entrance test LPUNest, conducted PAN India, 2016.

**EXTRACURRICULAR ACTIVITIES**

* Enlisted in the global top-5 leaderboard for fastest typing speed on a keyboard at typingbolt.com, 2019.
* Carried out duties as ‘Class Representative’ in the third year at college, 2018-2019.
* Presentation-Head and Technical member at RISC LPU, the most reputed organization for the academic year 2017 – 2018, hosted events about achievements and agenda of the organization. Also, took active participation in workshops and seminars.
* Runner-up in E-sports competition at LPU, 2018.
* Member at the ‘Cypher Programming’ club at college. Organized and participated in multiple coding competitions at my university like Code Apocalypse and monthly competitions, 2017.
* Participated in the University-level table tennis competition – ‘LPUFest 2017’ at college, 2017.