G Yeshwant Kumar

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Portfolio | HackerRank | Kaggle | Medium| Leetcode

EDUCATION AND HONORS

GIET University, School of Engineering — Gunupur, Orissa
Bachelor's in computer science (ML, Data Science) — 2018 - 2020

- Cumulative CGPA: 9.6/10.0 (Best Student of the Year)
- Relevant Coursework: Computer Science, Data Structures, Databases, Machine Learning, Data Science Statistics, Data Analytics, Probability & Discrete Mathematics

Sri Chaitanya Educational Institution — Visakhapatnam, AP
High School (Mathematics, Physics, Chemistry, English and Computer Sciences) — 2016 - 2018

- Cumulative percentage: 92%
- Best Scorer in Mathematics, Physics and Computer Science of the college.

PROFESSIONAL EXPERIENCE

Great Learning — Bangalore
Data Scientist — June 2021

- Worked on Projects in **Computer Vision** and **Neural Networks** in collaboration with international universities which helped in increasing the company's revenue by 40%.
- Implemented several **Machine Learning** and **Deep Learning models** and deployed them using Gradio and Streamlit to include them in the academic curriculum for the international students of Great Learning.
- Employed **Data Analytics** and **Market Intelligence** to identify the gaps in learning and increase the learning experience – increase in **EPF**.
- Enhanced the content by doing **Market Research** to include use cases to keep the learners aware of the latest developments.
- Interacted with learners from 10+ countries to clarify their doubts and help them grasp the topic better with relevant examples.

Gnani.ai — Bangalore
Deep Learning Intern — April 2021 - June 2021

- Developed an AI Voice bot for credit and EMI services using python and RASA framework.
- Prepared Training data by creating NLUs and stories for training the model and designed custom action files for validating several actions and functionalities like call-later and date validations and performed integrations for call services.

Pianalytix — Bangalore
Deep Learning Intern — Dec 2020 - March 2021

- Developed a Deep Learning model to count the number of screw outlets from the production of a company.
- Gathered Data from a video source recorded during the production of screws and extracted each frame from the video and then used those images for training the model.
- Used LabelImg to label the screws in the images for the custom input for YOLO and SSD architecture.

SKILLS

- **Programming Languages:** Python, R, Java, C, SQL (5-star level coder at *Hackerank*, Solved 100 problems in *SQLZoo*)
- **ML Tech Stack:** Supervised and unsupervised Machine Learning, Deep Learning, Computer Vision, NLP, APIs, Streamlit, GIT, Gradio, Heroku, MLops for large scale data, Data Mining, Data science pipeline, Statistics, Time series, Pyspark, MLlib, Hypothesis testing, A/B testing, Git, Basics of container technologies like Docker and Kubernetes, Gitlab, GCP, Google Colab, Databricks, RASA, Django, Flask, CNNs, LSTMs, GRUs, Transformers, GANs, Basics of Azure, AWS, GCP, CUDA, Basics of SDLC, Basics of Tableau and PowerBI, Libraries like TensorFlow, Keras, Scikit-learn, Pytorch, Gensim, Spacy, ML and DL libraries, Hyperparameter Tuning, Data Visualization, Image Processing and Text Processing, Use of DALL-E, Microsoft Office, Google suite, Multicore parallel processing and Feature Engineering using TensorFlow Extended and TFDV.

PROJECTS, BLOGS, AND LEADERSHIP

Mentorstudents.org (Talk Valley) Remote *Tutor and assistant* Jan 2021 - March 2021

- Worked as a tutor in creating content on Big Data and Data Engineering like Apache Pyspark MLlib, and Python.
- Have developed several Data Science Pipelines in Pyspark MLlib.
- Worked on projects in Marketing domain related to the churn of customers and decrease in productivity.

IEEE Conference on Machine Learning and IOT
Leadership

- Successfully conducted the IEEE conference on Machine Learning and IOT at my college. This was the leading conferences done in my college as professors from IISCs, IITs, and Research Institutes of US and Australia have visited to give their contribution for the conference.

AI-Enabled Fintech-B2B Invoice Management Application
Project

- Developed a Machine Learning model to predict the delay in payment dates between the due date and clearing date.
- Used a Time series split and built several Machine Learning models
- Received best results with the Tree-Based Random Forest model, so tuned the parameters of the model to get the best hyperparameters.
- Built a Table in Frontend to display the predicted delays and aging buckets of delays.

Finding Optimal Store Location for Profits
Project

- Solved a customer segmentation problem for finding the correct location for the instalment of a low-cost supermarket store.
- Used Python, BeautifulSoup for extracting neighbourhoods from Wikipedia and used FourSquare API to find the nearest venues to segregate the population area as residential, bank or school.
- Used K-Means clustering to find the optimal cluster consisting of residential areas.

Case study on Self- Driving car
Project

- Implemented the self-driving car model by using the CNN architecture from the research paper of Nvidia on custom data over a frontal video of 25 minutes and tested the model to monitor the steering wheel moment.
- Used Behavioural Cloning and Polynomial Regression to train the Nvidia model and stimulate autonomous car.

Time-Series forecasting using Prophet
Project

- Built a Time-Series forecasting model using Facebook Prophet to determine the energy consumption of three states of USA and gathered several insights for the increase and sudden fall of energy usage between 2001-2018.

Blogs on Machine Learning and Deep Learning
Blogs

- Face Detection using LBPH (Local Binary Pattern Histogram).
- Brief explanation on use of Single Shot Detector.
- Diabetes Re-admission prediction.
- Drowsiness Detection using CNN.
- Captcha Recognition using OCR and CTC Loss.

Hackathons and Certifications

- Winner of the **Cloud X** Lab Data Science Blogathon on Machine Learning.
- Winner of the Machine Learning Hackathon conducted by **GIET** Institutions.
- AppliedAi Machine Learning Certification from **AppliedAi.**
- Machine Learning, and Deep Learning Nanodegree from **Udacity.**
- Azure Fundamentals from **Microsoft.**
- Python, and TensorFlow nanodegree from **Udacity.**
- Secured 45^{th} position in the Nation-wide ML Hackathon conducted by **MachineHack**.
- Prominent leader in conducting the **IEEE** conference in college.
- Secured 10^{th} Rank in the **Great India Hiring Hackathon**.

Academic and Personal Achievements

- Selected as a best student among the students of **Google Research**.
- Top 1% for receiving Nanodegree Scholarship from **Udacity**.
- Only student to get selected for Teaching assistantship at **TalkValley** to work under professors of **UTAustin**.
- Received Student of the year for the best performance in Academics and Punctuality in all the semesters.
- Performed as one of the best students of **AppliedAi** and completed all the assignments within the deadlines.

Personal Details

- **Languages**: English, Telugu, Hindi, Oriya.
- **Address**: Rayagada, Odisha-765001.