

Joyson Chacko George

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EDUCATION

- **St. Stephen's College, Delhi University** Delhi, India
Bachelor of Science - Physical Sciences; GPA: 8.091 / 10.00 *November 2020 - July 2023*
- **Central Board of Secondary Education** Delhi, India
Class XII; 95.4 % *April 2019 - March 2020*
- **Central Board of Secondary Education** Delhi, India
Class X; 90.4 % *April 2017 - March 2018*

PROJECTS

- **A Ballad of NLP**
 - Worked on developing models to generate song lyrics utilizing the power of deep learning and NLP techniques.
 - Improved skills in data acquisition and processing by compiling a lyrics dataset using web scraping methods.
 - Constructed a custom Long Short-Term Memory (LSTM) model to generate lyrics based on the dataset created.
 - Executed fine-tuning on GPT-2 to produce a model for generating lyrics in the aesthetic of designated artists.
- **Moneyball-a-Cricket-Analysis**
 - Conducted a comprehensive analysis on cricket data to gain valuable insights from a data science perspective
 - Analyzed the impact of Toss on the outcome of a cricket game using data from ESPN Cricinfo
 - Selected the World XI team for the ICC T20I World Cup 2022 using past 5 years IPL data (Kaggle)
- **Classifying Buildings post Hurricane**
 - Conducted research and gathered relevant data on post-hurricane satellite imagery
 - Preprocessed the data and prepared it for training
 - Designed and implemented a CNN using tensorflow
 - Applied fine-tuning techniques to the DenseNet121 to create a highly effective transfer learning model
- **Santander Customer Satisfaction prediction**
 - Performed extensive cleaning and feature selection processes on a complex anonymized dataset
 - Built 6 different models to classify data points into two groups; satisfied and unsatisfied customers
 - Compared and found the best model based on different metrics

COURSES

- Undergoing **Practical Deep Learning** for coders
- Certified in **Language Models** by Univ.AI (Oct 2022 - Dec 2022)
- Certified for **Applied Data Science Lab** from WorldQuant University (2023)
- Certified in **Convolutional Neural Networks** by Univ.AI (June 2022 - August 2022)
- Completed **Basics of AI & ML** by Univ.AI (May 2022 - Jun 2022)
- Completed **The Basics of Data Science** by Univ.AI (Mar 2022 - Apr 2022)
- Underwent **Data Science 1**, a 5 week course from Univ.AI (Jan 2022 - Feb 2022)
- Certified in **Data Science with Python** by Simplilearn (Dec 2022)
- Certified in **Scientific Computing & Python (with honors)** offered by WQU (Dec 2021)

SKILLS SUMMARY

- **General Skills:** Data Visualization, Machine Learning, Data Preparation, Artificial Intelligence, Deep Learning
- **Languages:** Python, C++, Java, R, HTML, CSS, SQL, JavaScript
- **Py Libraries:** Tensorflow, Scikit-learn, FastAI, Pandas, Numpy, Plotly Express, BeautifulSoup
- **Databases:** SQLite, MySQL, MongoDB
- **Software:** Google Colab, Git, VS Code, Office suite, Maxima, LaTeX, Google Workspace
- **Language Skills:** Hindi (Mother Tongue), English (Academic language), Malayalam (Native language)
- **OS:** Windows, Linux (Beginner)
- **Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

CERTIFICATES & ACHIEVEMENTS

- Completed **Standard Bank Data Science Virtual Internship** on Forage (Feb 2023)
- Bagged the **first** position in **MachineKnight hackathon** organized by TechBairn (Sep 2022)
- Completed **KPMG Data Analytics Consulting Virtual Internship** on Forage (Aug 2022)

INTERESTS

Programming, Football, Music, Art, Reading, Web surfing