Saketh Reddy Dodda

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EDUCATION

University of Colorado Boulder, Boulder CO Aug 2023 – Expected May 2025
Masters of Science in Data Science

Chaitanya Bharathi Institute of Technology, Hyderabad, India Jul 2016 – June 2021
Bachelor of Engineering in Electronics and Communication (CGPA-8.40/10)

SKILLS

- Programming- Python, R, SQL (Oracle SQL, PostgreSQL), Java, C++
- Tools- Jupyter Notebooks, PowerBI, Git, Postman, AWS, Github Pages
- Framework & Libraries – Keras, Scikit-learn, Tidyverse, NumPy, Pandas

PROFESSIONAL EXPERIENCE

Tata Consultancy Services, Hyderabad, India June 2021 – July 2023
Software Engineer

- Responsible for maintaining a financial audit major's taxation and apportionment product using Java for production bug fixes and enhancements; led a team of two interns to regularly monitor and fix bugs.
- Deliberated with client representatives to identify and decide on best approach for database migration from Oracle 11g to POSTGRESQL database; led a team of 4 to successfully migrate and deploy the tool.
- Built automated spreadsheet report generation with pre-decided Pivot table settings using Java and Aspose cells; built the front-end for user to select preferences and developed the back-end to fetch data and populate pivot tables accordingly.

National Instruments, India Apr 2020 – June 2020
Machine Learning Intern

- Worked on building a real-life replication model of various micro-organisms lifecycles and pit different micro-organisms with different characteristics against one-another to observe results.
- Collaborated with the firm's R&D division to understand research objectives and further applications and designed the experimental basics and worked closely with the intern team of 3 to determine the right Python libraries and databases to use to successfully execute the experiment and identify species survival.
- Achieved a success rate of 81% on cell-splitting micro-organism growth model and a success rate of 74% on the survival of the fittest model, with both models running in parallel on a common board.

PROJECTS

Emotion Recognition through Facial Expressions using Deep Learning Apr 2021 – June 2021

- Developed a deep learning model using AlexNet in Python to accurately identify and classify human emotions via facial expressions.
- It includes Feature extraction and Neural networks on predicting six different types of Emotions and achieved an accuracy of 86.7 %

Microbial Growth and Survival Analysis Apr 2020 – June 2020

- Developed a Python-based simulation using Numpy to replicate micro-organism lifecycles, achieving an 81% success rate in growth modeling and a 74% accuracy in survival predictions during parallel tests.

ADDITIONAL INFORMATION

- Honored with **Best Performer** of the Year for my contribution towards our project in TCS.
- Won first prize for **paper presentation** on the topic 'Emotion Recognition through Facial Expressions using Deep Learning

President, Shruthi Cultural Fest ,CBIT, Hyderabad Feb 2019 - Mar2019

- President of the 30-year old annual cultural festival at CBIT, hosting a total of over 20,000 attendees.
- Created the operations strategy for the event using simulations of attendees and events to optimize crowd movement and event scheduling; maximized footfall at events, exhibitions and stalls attaining an average attendance of 79% at each event and exhibition and an average profit of 11% across stalls.

CERTIFICATIONS

- Data Science with Python Certification by NASSCOM in Edureka.
- Expressway to Data Science: R Programming and Tidyverse Specialization
- Harnessing the Power of Data with Power BI