PRATEESH REDDY PATLOLLA

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ACADEMIC PROFILE

MASTERS IN DATA SCIENCE   *~ Jan 2021- Dec 2022*
Indiana University Bloomington , Indiana , USA

GPA : 4 /4

Bachelor Of Technology Computer Science & Engineering   *~ June 2016 - June 2020*
Gandhi Institute of Technology And Management University
Hyderabad, India

GPA : 3.7 /4
Evaluated By World Education Services (WES)
Reference no : 4368413

TECHNICAL SKILLS

- Advanced knowledge in Python
- JAVA
- Web development
- Advanced Knowledge in SQL
- JavaScript, HTML, CSS

- React JS
- Relational Databases
- AWS, Git
- Data Visualization, Tableau
- Deep Learning

PROJECTS UNDERTAKEN

Title: Blockchain Financial banking system
- Duration: **Apr 2020 – May 2020**
- Organization: GITAM University
- Objective: Implemented Blockchain Technology to secure Online banking transactions.
- Tools Used: Angular JS , MongoDB, Netbeans (IDE).   [View project](#)

Title: German Traffic Signboard Recognition with TensorFlow
- Duration: **Mar 2020 – Apr2020**
- Objective: Classification of signboards using Tensorflow Data Pipeline.
- Result: Classification Accuracy of 98%
- Tools Used: Python TensorFlow , Jupyter Notebook (IDE).   [View project](#)

Title: Generating Realistic Faces with Generative Adversarial Networks (GANs)
- Duration: **Apr 2021 – May 2021**
- Objective: Generating new plausible samples to help in other research fields where additional data is crucial but limited.
- Progress: Training on Carbonate (IU supercomputer)
- Tools Used: Python Pytorch , Jupyter Notebook (IDE)

WORK EXPERIENCE AND INTERNSHIPS

Graduate Data and Research Analyst — Indiana University — **Jan 2021—Present**

- Utilized hypothesis testing & logistic regression to identify achievement gap in minority groups to impact academic policies
- Developed data pipelines and Tableau reports for providing key insights in student performance, retention and graduation distribution.
- To append PhD students life cycle data UX dashboard as public facing on Indiana University website. Association of American Universities Data Exchange (AAUDE) believes one frequently identified barrier to improve PhD education is the lack of transparent data programs. Thus, Institutions should commit to developing the infrastructure and institutional policies required to uniformly capture and make this data public.

Data Science Intern— CYIENT Limited, Hyderabad , Telangana —**Dec 2019 – Mar 2020**

- **Scope** : Project includes extracting the road signs through object detection from the terrestrial imagery to minimize the manual efforts for a North-American based client.
- **Problem statement**: Improve the hit rate from 66 % to 90%
- **Challenges Involved** : blurred, shadowed, bad weather, obstacles damaged type of signboards leading to insufficient data points to learn, non-uniform distribution.
- **Technologies used** : Tensorflow Data pipelines, Transfer learning, Data augmentation, Principle Component Analysis and histogram equalization.
- **Result** : Achieved a hit rate about 85% which resulted in a saving of 12 FTEs.

PUBLICATIONS AND CERTIFICATIONS

- Published an International research paper Protecting banking Transactions using 'Blockchain Technology without tokens' in IJET.
- Completed an esteemed online course 'Machine Learning A-Z : Hands on python & R in data science' on Udemy
- Completed an online specialization in Coursera 'DeepLearning.ai' consists combination of 5 courses by Andrew Ng .
- Completed an online course on ' Tableau 2020 A-Z : For Data science' in Udemy

ACHIEVEMENTS & LEADERSHIP EXPERIENCE

- Luddy Ambassador for School of Informatics & computing, Indiana University, organize and setup sessions with graduate students help them connect with right department and answer their queries.

- President of Public Relations for local Student Chapter of Kalakrithi (2017) and organized key events on campus like TedEx, inter-college MUNs.

- Core Member of Gitam Innovation Centre under Code Crew Wing (2016-2019) conducting several events that help students to learn in an interactive way like blind coding, tech quiz.

- Member of National Service Scheme (NSS) from 2018-2020 which is a government funded club worked for the betterment of education facilities and other basic needs in the remote villages nearby.