

CHINNAM HARISRUJAN

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Examination	Affiliation	Institute	Year	GPA
Graduation	JNTUA	Madanapalle Institute of Technology and Science	2022	8.12
Intermediate (+2)	APBIE	Narayana Junior College	2018	82.6%
Matriculation	APSSC	Narayana High School	2015	9.0

Graduated in **Computer Science and Engineering**

Work Experience

Data Science Engineer

Ignitz Solutions, [August 2022 – Till Date]

- Establishing best practices for data collection, preparation, and analysis
- Designing and implementing experiments to test hypotheses and improve models
- Designing and implementing algorithms using existing software packages in Python
- Interpreting results and providing recommendations based on findings
- Identifying new sources of data or new ways to use existing data to improve results
- Developing new models or improving existing models using statistical modelling techniques such as regression analysis or clustering algorithms

Internships

Application Development and Management Full Stack Development

February 2022 - July 2022

Cognizant Technology Solutions Corp

ADM Intern

- Trained in core skills, hands-on like Java, SQL, and behavioural learning.
- Worked on Business aligned use cases as part of the project component during project Leveraged a controlled study to test the system and rank user performance.

Web Development

Winter 2021

Asia University Taiwan

Special Intern

- Understanding **Web Development** and Design Concepts of Frameworks.
- Design, recommend and pitch improvements to new and existing features.
- Update and edit website content, posts, and pages.
- Provide technical support related to web-based systems to internal teams.

Data Science Internship using Python

Winter 2021

Andhra Pradesh State Skill Development Corporation

Winter Intern

- Identify valuable data sources and automate collection processes
- Undertake pre-processing of structured and unstructured data
- Analyse large amounts of information using statistical modelling to discover trends and patterns
- Build predictive models and machine-learning algorithms
- Combine models through ensemble modelling

Research Experience

Machine Learning for Smartphone-Based Early Detection of Diabetic Disease in Pima Indians

Diabetes Database

Winter 2021 to Spring 2022

Journal in Algebraic Statistics & MITS *Guides – Prof.Subhash Chandra Bose, Prof. Chandra Mohan | BTech Project*

- Now a day's Diabetic disease (Dd) is common disease among people which causes damage to kidney, heart and may eventually lead to death. Early detection of diabetics is very much essential to avoid kidney and heart

failure. Effective treatment for Dd is available through it requires early diagnosis and the continuous monitoring of diabetic patients

- The objective of our research paper is to give decision about the presence of diabetics by applying ensemble of machine learning classifying algorithms on features extracted from output of different datasets. Decision making for predicting the presence of diabetic is performed using Linear Regression (LR), Logistic Regression (LoR), K Nearest neighbors (KNN), Decision Tree (DT), Support Vector Machine(SVM), Naïve Bayes(NB), Random Forest(RF)

Key Projects

Brain Tumour Detection using Convolutional Neural Network

Summer - 2022

Guide- Prof. Komala Anamalamudi

MITS

- In the area of human health, Computer Vision plays a significant role, which reduces the human judgment that gives accurate results. CT scans, X-Ray, and MRI scans are the common imaging methods among magnetic resonance imaging (MRI) that are the most reliable and secure. MRI detects every minute objects. We used different techniques for the discovery of brain tumor using brain MRI. we performed pre-processing using the bilateral filter (BF) for removal of the noises that are present in an MR image. This was followed by the binary thresholding and Convolution Neural Network (CNN) segmentation techniques for reliable detection of the tumor region.

Technical Skills

Programming	Fluent in C++/C, Python, BASH, HTML5, CSS3, JavaScript, MySQL Familiar with Java, Angular, MongoDB, Django, PySpark, MATLAB
ML Toolkits	Keras, Sklearn, TensorFlow ,NumPy, Pandas, NLTK, Spacy, Beautiful Soup, seaborn ,Matplotlib,.
Software's	Git, L ^A TEX, Android Studio, Gitlab, Jira, AWS

Courses Undertaken

Computer Science	Object Oriented Programming, Data Structures, Operating Systems and Shell Scripting Formal Language Automata Theory, Compiler Design, Theory of Computation, Advances in Intelligent & Learning Agents, Theoretical ML, Data Science and Visualization, Functional Programming, Deep Learning Medical Image Processing, Computer Networks.
Mathematics	Probability and Mathematical Statistics, Discrete Mathematical Structures, Calculus, Linear Algebra, Differential Equations.
Others	Environment Sciences, Modern Physics, Chemistry, Economics

Certifications

- Active Part of **Developer Weekend 2019** -Diverse Developer Conference in India.
- **365 Data Science**: Introduction to Data and Data Science
- NPTEL: Problem Solving using Python, Ecology and Environment, Developing Soft Skills and Personality.
- **Coursera – University of Michigan**
 - Python Data Structures
 - Python for Data Science and AI (IBM).
 - Tools for Data Science (IBM).
 - Django for Everybody
 - Using Python to Access Web Data
 - Capstone: Retrieving, Processing, and Visualizing Data with Python
 - Agile Project Management and Delivery.
 - Increase SEO Traffic with WordPress
 - Google Technical Support Fundamentals.

Extracurriculars

- Student Coordinator **Mits Social Responsibility Club** 2020-2022
- Student Mentor in **Mits Web Club** 2019-2020