SHRI VIDHATRI M M

Research is formalized curiosity. It is poking and prying with a purpose.
-Zora Neale Hurston

CONTACT

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🐙 shrividhatri
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SKILLS

Programming
Python ★★★★★
HTML/CSS ★★★★★
Bash ★★★★☆
SQL ★★★★☆
C++ ★★★☆☆
LaTeX ★★★☆☆
Javascript ★★☆☆☆
Java ★★☆☆☆

Operating Systems
Linux ★★★★☆

Software & Tools

Visualisation
Gaussian ★★★★☆
Matlab ★★★★☆

Data handling/analysis
numpy ★★★★★
pandas ★★★★☆

Languages
English ★★★★★
Telugu ★★★★★
Hindi ★★★★☆

Other skills
General chemistry ★★★★★
General biology ★★★★★

CERTIFICATES

KVPY fellowship certificate

CURRENT PROJECTS

🏷 Comparing selectivity of four different gases on Tin Oxide-Palladium nanosensor using Gaussian

🏷 Design and development of handheld spirometer with IoT and ML

🏷 IoT real life project using Bolt module and ML

🏷 Building a text classification model with Glue and Amazon Sagemaker

ABOUT MYSELF

Undergraduate student of International Institute of Information Technology, Hyderabad studying dual degree BTech in Computer science & MS in Computational Natural Sciences. My passion is about research and finding out new things in any field. I am a quick learner and can rise to the occasion to explore new ideas, theories and fields.

🎓 EDUCATION

📅 06/2019 - Present
🏛 International Institute of Information Technology, Hyderabad
✏ 7.23 CGPA (4th Semester)

📖 Dual Degree : Btech CS, MS CND

📅 04/2007 - 05/2019
🏛 Kendriya Vidyalaya No.2, Kalpakkam
✏ 10/10 CGPA (AISSE), 94% (AISSCE)

📖 All India Senior School Certificate Examination (AISSCE), CBSE

INTERNSHIPS

🏷 Design and development of handheld spirometer with IoT and ML

🏷 Internship with the Data Science team at Go-To-Market Buddy Software Private Limited as a full-time intern assigned to work in "Custom Named Entity Recognition Model", NLP

🏷 Literature survey for battery selection in sensor development, Indira Gandhi Center for Atomic Research (IGCAR)

🏷 Parameter survey among imported bio medical instruments, IGCAR

PROJECTS AND REPORTS

🏷 Deep Neural network for image classification

🏷 Car racing game using pygame

🏷 A Hierarchical Model of Reviews for Aspect-based Sentiment Analysis using Bi-LSTM

🏷 Built an NLP entity model on Amazon reviews using SpaCy

🏷 Web scraping of clinical trial registries (Team project)

🏷 Institute attendance management system

🔖 A research paper using software systems research principles

🏷 Devices based on Quantum Mechanics

🔖 A review paper about quantum tunneling, tunnel diodes and MIIM diodes.

🏷 Review paper on CRISPR in oncological research

🏷 Tour management DBMS

🏷 Compilation of Interesting algorithms from various fields of science and modern technology

🏷 Multi-page responsive website

🏷 Analysing depression from user's social network footprint

"Research is to see what everybody else has seen, and to think what nobody else has thought." - Albert Szent-Gyorgyi

COURSES AND MINI PROJECTS

Mini projects

❧ Simple Android app

❧ A report on Women in our society an the true meaning of feminism

❧ Report on applications of probability in bio-informatics (Team project)

❧ Literature review on selectivity of gases using metal oxide nano materials

❧ Genetic algorithm : A search-based optimisation technique based on Darwin's principles of Natural selection

❧ Computational chemistry using Gaussian

❧ MATLAB to understand random variables visually

Courses

❧ Neural Networks and Deep Learning

❧ HTML, CSS, and Javascript for Web Developers

❧ Basics of Java

❧ Flutter workshop

ACHIEVEMENTS, HONOURS AND AWARDS

🏆 KVPY-SX Scholorship, AIR: 1402

🏆 NSO International Rank : 194, HCU AIR : 5, NEET AIR : 26169(CMC seat)

🏆 NEST AIR : 195, NISER AIR : 121, BITS, JIPMER AIR : 5318, AIIMS AIR : 4985

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"Predicting the future isn't magic, it's artificial intelligence." - Dave Waters