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 MD simulations & DFT
- 🏷 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 senior 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, work well in a team and can rise to the occasion to explore new ideas, theories and fields or problem solving.

🎓 EDUCATION

📅 06/2019 - Present
🏛 International Institute of Information Technology, Hyderabad
✎ 7.28 CGPA (6th 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 of an innovative smoke sensor and fire alarm panel[†]
- 🏷 Development of sensor for monitoring the integrity of the lubrication system of heavy duty pumps in nuclear reactors[†]
- 🏷 Design of a three level Dashpot oil level measurement system[†]
  [†] : Also submitted as research papers for publishing in IEEE Xplore under IGCAR
- 🏷 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
- 🏷 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
- Tour management DBMS
- Compilation of Interesting algorithms from various fields of science and modern technology
- Multi-page responsive website

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
- 🏆 AIIMS AIR : 4985,

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