

SHRI VIDHATRI M M

Research is formalized curiosity. It is poking and prying with a purpose.

-Zora Neale Hurston



CONTACT

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SKILLS

Programming

Python ★★★★★
HTML/CSS ★★★★★
LaTeX ★★★★★

Operating systems and software

Linux ★★★★★
Git ★★★★★

Visualisation

Gaussian ★★★★★
Matlab ★★★★★

Data handling/analysis

numpy ★★★★★
pandas ★★★★★

Languages

English ★★★★★
Telugu ★★★★★
Hindi ★★★★★

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 hand-held spirometer with IoT and ML
- 🔍 IoT real life project using Bolt module and ML
- 🔍 Building a text classification model with Glue and Amazon Sagemaker

EXPERIENCE

Worked as a teaching assistant under Dr.Tapan Sau in the subject of General and structural chemistry

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 Scholarship](#), 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](#)