



CONTACT

 Gundawadi 18, Beside Brahmaninivas, Rajkot – 360002, Gujarat

 +91 97127 65764

 darshan.k.job@gmail.com

 [Darshan Soni](#)

HOBBIES

1. Meditation
2. Play Chess
3. Trekking

DARSHAN KATRODIA

EDUCATION

- Master of Science (M.Sc.) in Physics (May 2024)
Last Semester GPA: 5.85
Overall CGPA: 5.38
St. Xavier's College, Autonomous, Ahmedabad, Gujarat, India
- Bachelor of Science (B.Sc.) in Physics (May 2022)
Last Semester GPA: 7.38
Overall CGPA: 7.98
Marwadi University, Rajkot, Gujarat, India
- H.S.C. (May 2019): 57.54 %
- S.S.C. (July 2017): 70.33 %
Modi School, Rajkot, Gujarat, India

EXPERIENCE & PUBLICATIONS

- **Research Paper** [Co-Author]: “Automated Labelling and Correlation Analysis of diagnostic signals from ADITYA tokamak for developing AI-based Disruption mitigation systems”

Institute of Plasma Research (IPR), Gandhinagar, Gujarat, India
Project on “Correlations Analysis of Parameters of High-Temperature Plasma Experiments”.

- Satisfied ‘[Scored 9.5/10](#)’ form IPR.
- **Independent Research**
“Effect of Vibrations on Human Brain Using Electroencephalography (EEG)”
- Analyzed the impact of ‘Vishnu Sahasranama’ & ‘Sri Lalita Sahasranama’ Stotram on brain neurons using ‘Electroencephalogram’ (EEG).
- Self-Experienced & Profitable Investor & Trader.

CERTIFICATIONS

- ‘Data Analytics’ - IBM SkillsBuild Summer Internship Program
- ‘Photovoltaic Solar Energy’ – Ecole Polytechnique
- ‘Astronomy: Exploring Time and Space’ - University of Arizona
- ‘Confronting the Big Questions: Highlights of Modern Astronomy’ - University of Rochester
- ‘Mathematics for Machine Learning: Linear Algebra’ - Imperial College London

- Virtual Workshops:
 - 'Scratching the Back of the Quantum World'
 - 'Impact of Lockdown on Climate/Weather'
- Oral Presentations:
 - 'Gravitational Waves'
 - 'Standing Sound Wave'
 - 'Cyclotron'

SKILLS & INTERESTS

- Skills
 - **"Critical Thinking & Unique Approach"**
 - **Plasma Physics**
 - Programming & Tools: Python (Data Analysis, Machine Learning, Correlation, Normalization, Regression, Decision Tree), C-Programming (Intermediate), LaTeX, Google Collab.
 - Other Skills: Research, Project Management, Literature Review, Presentation Skills & many more...
- Interests
 - Physics [Plasma Physics, Quantum Mechanics, Astrophysics, General Relativity]
 - Visualizing the Universe [In Terms of Vibration]