Dheeraj Vittal Shenoy

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Birth Date 22/12/2000
Address Vittal, Karnataka
India - 574243
Nationality Indian

Education

M.Sc. │ *Physics (Astronomy & Astrophysics specialization)*   Sep 2022 – Apr 2024
Jain University - School Of Sciences   ***CGPA: 9.45 (2nd Rank)***
Bengaluru, Karnataka, India

B.Sc. │ *Major: Physics, Mathematics, Computer Science*   Jun 2019 – Aug 2022
Canara College   ***CGPA: 9.51***
Mangaluru, Karnataka, India

Academic Projects

Investigating Temperature Variations of the Solar Corona during CMEs   2024
Master's Thesis
Jain University & Indian Institute of Astrophysics

Crop Health Management in Millets using Satellite Imagery and Neural Networks   2024
Jain University - School Of Sciences, Bengaluru, India

Gravitational Wave Analysis Of Neutron Stars - Review   2023
Jain University - School Of Sciences, Bengaluru, India

Simulation of 2 Body Astrodynamics   2022
Canara College, Mangaluru, India

Internships

Indian Institute of Astrophysics   20/05/2024 - Present
Bangalore
Topic: Sun-as-a-star DEManalysis of Coronal Dimmings associated with CMEs

Awards

Outstanding Academic Performance - Secured 2nd Rank (MSc)   2024
Jain - School Of Sciences

Best Outgoing Student (MSc)   2024
Jain - School Of Sciences

Highest in Computer Science in the University Examination (BSc)   2021-22
Canara College

First Place in General Proficiency (BSc)   2021-22
Canara College

SKILLS

Languages	English (**C1**), Hindi, Kannada, Tulu, Konkani (Mother Tongue)
Programming	C, C++, Python, R, Rust, FORTRAN, Golang, SQL, Kotlin, Java, Shell, LaTeX, Lua, HTML, CSS, JS, PHP, C#
OS	Linux, Windows
Softwares	Microsoft Office, G-Suite, GnuOctave, Unity Game Engine, Blender, Scilab, Maxima
Tools I Love	Git, Emacs, NeoVim, tmux, Tiling Window Managers

FAVORITE HOBBY PROJECTS

SonifyCPP - Convert Images into Audio signals

FITSExplorer - Modern FITS Image Viewer with handy features

Navi - Modern and fast file manager for the impatient written in C++

CONFERENCES & WORKSHOPS

Poster presentation at National Space Science Symposium (NSSS) - 2024　　　26/02/2024 - 01/03/2024
Goa University, Goa
Topic: "Crop Health Management in Millets using Satellite Imagery and Neural Networks"

Kodaikanal Winter School on Solar Physics　　　03/01/2024 - 10/01/2024
Kodaikanal Solar Observatory, Kodaikanal, Tamilnadu
Organized by Indian Institute of Astrophysics

Refresher and Preparative Winter School　　　04/12/2023 - 20/12/2023
IISER - Thiruvananthapuram, Kerala

Poster Presentation at MiliCon - International Millets Conference　　　12/09/2023 - 13/09/2023
Jain - School Of Sciences, Bengaluru
Won the **"Best poster award"**
Topic: "Could AI/ML help lower yield loss in millets?"

PUBLICATIONS

Crop Health Management in Millets using Satellite Imagery and Neural Networks　　　April 2024
VEGETOS (An International Journal of Plant Research & Biotechnology)
Review under progress

Sun-as-a-star Analysis of Coronal Dimmings associated with CMEs
Journal of Astronomy and Astrophysics
Under Preparation

EXTRACURRICULAR ACTIVITIES

Built an App for Industry and Academia Confab (INAC)　　　February 2024
Jain University, Bengaluru

NASA Space Apps Challenge Hackathon　　　07/10/2023 - 08/10/2023
Jain (Deemed-to-be University) - School Of Sciences, Bengaluru
Won the **"Best use of Art & Technology"**

HOBBIES

Creative Coding, Web Development, Making music, Video Gaming, Blogging, Badminton, Numismatics