Gunnemeda Eswar

Date of birth: 23/07/2003

Nationality: Indian

Gender: Male

CONTACT

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6303359070 **(WhatsApp)**

europass

ABOUT ME

I am a final year B.Sc. Physics (Hons.) student at SRM University, AP, with a keen interest in astrophysics. I have completed several online courses and summer schools on topics such as gravity, cosmology, dark energy, black holes, space missions, and star formation. I have also attended guest lectures and read scientific journals to broaden my knowledge and stay updated on the latest developments in the field. I aspire to pursue higher studies and research opportunities in astrophysics and contribute to the advancement of this fascinating discipline.

EDUCATION AND TRAINING

10/08/2021 – CURRENT amaravati, India

B. Sc. Physics (Honors) SRM University

Address 522503, amaravati, India

29/05/2018 – 04/04/2020 Vuyyuru, India

SENIOR SCHOOL CERTIFICATE Sri Viswasanthi Educational Institutions

Website https://sriviswasanthischools.in/ | **Final grade** 92.4%

04/04/2016 – 04/04/2018 Vuyyuru, India

SECONDARY SCHOOL EXAMINATION Sri Viswasanthi Educational Institutions

Website https://sriviswasanthischools.in/ | **Final grade** 87.6%

LANGUAGE SKILLS

MOTHER TONGUE(S): Telugu

Other language(s):

English

Listening C2	
Spoken production C2	
Reading C1	
Spoken interaction C1	
Writing C1	

Levels: A1 and A2: Basic user; B1 and B2: Independent user; C1 and C2: Proficient user

WORK EXPERIENCE

Student researcher, Department of Physics, SRM University, AP,

- Assisted Dr.Soumyajyoti Biswas in conducting experiments on "Machine learning prediction of depinning transition"
- Conducted literature review, data collection, and analysis using Python
- Co-authored a paper on "Prediction of depinning transitions in interface models using Gini and Kolkata indices" (Submitted to Physical Review Letters)

DIGITAL SKILLS

python | LAB View | C++ | MATLAB | LaTeX (very good) | Wolfram Mathamatica

ADDITIONAL INFORMATION

Honours and awards

Merit Scholarship SRM AP

Conferences and seminars

25/04/2021 – 25/04/2021

One-day National Symposium on High Energy Physics

21/12/2022 – 21/12/2022

Shedding Light on Dark Matter

Online Certifications

Big bang to Dark Energy (THE UNIVERSITY OF TOKYO)

Link https://rb.gy/gw0pxx

AstroTech: The Science and Technology behind Astronomical Discovery (THE UNIVERSITY OF EDINBURGH))

Link https://rb.gy/wlxojd

Astro 101: Black Holes (UNIVERSITY OF ALBERTA)

Link https://rb.gy/e62wvx

Understanding Research Methods(UNIVERSITY OF LONDON)

Link https://appurl.io/yE6eEyMP7Y

Explore Einstein's theories of Relativity using Wolfram

Link https://shorturl.at/wEK26

Summer school

03/07/2023 – 07/07/2023

4th Summer International School on Gravity, Cosmology and Astrophysics Bauman Moscow State Technical University,(ISGCA-2023)

Link https://ibb.co/QCMx26m

08/08/2023 – 18/08/2023

Space Missions: Ground-based Observations and Science Communication, Europlanet, 2023

The physics of star formation Les Houches (France)

Hobbies and interests

Amateur Astronomy

- I read scientific journals such as **Physical Review Letters**, **Nature Astronomy**, and **The Astrophysical Journal**
- Observing the moon, planets, stars, and galaxies using a **Celestron NexStar 130SLT**
- I use apps such as **SkyView**, **Stellarium**, and **SkySafari** to identify and locate celestial objects
- Exploring the wonders of the universe and learning about its mysteries through books, podcasts, documentaries,

Creative works

03/05/2023 – 09/05/2023

Cloud Chamber

- Built a cloud chamber to observe subatomic particle tracks as a DIY project
- Researched and ordered the necessary materials and followed the assembly instructions
- Enhanced my physics knowledge and developed my interest in the field