JISHNU JEEVAN

jishnu.jeevan@cmcc.it | GitHub | Scholar | Lecce, Italy

SKILLS

Python
HTML | CSS | JavaScript | Bootstrap
Flask
GitHub | GitHub Desktop
Pandas | Geopandas | Xarray
NumPy | SciPy | Sci-Kit Learn
Jupyter
Matplotlib | Seaborn | Plotly | Cartopy | Folium
PyQT | QT Designer | QT Creator
SQLite | MySQL

PUBLICATIONS

Jeevan, Jishnu, and Madhu S. Nair. "On the performance analysis of solving the Rubik's cube using swarm intelligence algorithms." *Applied Artificial Intelligence* 36, no. 1 (2022): 2138129. (Link)

Preetha, K. G., et al. "A Python-based Tool for the Generation of TS Plot to Determine Water Masses in the World Ocean." *2023 Global Conference on Information Technologies and Communications (GCITC)*. IEEE, 2023. (Link)

HOBBIES AND INTERESTS

• Reading • Anime • Running • Walking • Cycling • Chess

EDUCATION

Masters in Technology in Computer and Information Science | *Department Of Computer Science (CUSAT), Kerala, India* | 2019 – 2021 | 9.29/10.0

Bachelors in Technology in Computer Science and Engineering | *Albertian Institute Of Science and Technology, Kerala, India* | 2014 – 2018 | 7.92/10.0

EXPERIENCE

Junior Research Associate | ***Euro-Mediterranean Center on Climate Change (CMCC), Lecce, Italy*** **|** May 2024 – Present

- Working as a front end developer for the SDGs-EYES (Sustainable Development Goals – Enhanced monitoring through the family of Copernicus Services) project.
- Responsible for the front end development of five SDGs-EYES pilots which will be used for visualization of the climate indicators such as GHG emissions from fire, forest cover and erosion, extreme temperature risk, eutrophication and acidification, and climate security.

Junior Research Fellow | *Rajagiri School of Engineering and Technology, Kerala, India* | Nov 2021 – June 2024 | 2.5 Years

- Responsible for the end-to-end development of the Naval Research Board (NRB) funded project – An interactive, dynamic, and scalable Ocean Visualization Tool (OCEANVIZIO).
- Developed the interactive visualization software OCEANVIZIO for the oceanographer at The Naval Physical and Oceanographic Laboratory (NPOL), to ease their workflow in visualizing and analysing ocean data.
- Developed a GUI module that can read data from .csv, .txt, and .nc (NetCDF) formats and can convert data from one format to another.
- Developed a GUI module to show the spatial and temporal variation of various ocean parameters using interactive plots such as colour maps, contour plots, vector plots, 3D surface plots, and 4D volume rendering.
- Implemented The Winding Angle Algorithm which can detect oceanic eddies in The Bay of Bengal region with 70% accuracy.

Software Engineer Trainee | *CamerinFolks Private Limited, Kerala, India* | Oct 2021 – March 2022 | 5 Months

- Successfully underwent a five month training programming that taught the basics of web development using Python, Django, HTML, CSS, and JavaScript.
- Got certified as a "Certified Software Developer – Python", after successfully completing the training program.