KUMMURU SAI MUKESH

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PROFILE

I'm actively seeking opportunities to learn and grow in a supportive environment. Proficient in front-end and back-end development with a strong foundation in Python, React.js, Node.js, Express.js, MongoDB, and SQL. Skilled in creating interactive user experiences and problem-solving. Passionate about building scalable applications, optimizing workflows, and ensuring data integrity.

WORK EXPERIENCE

Organization: National Remote Sensing Centre (NRSC), ISRO

Project Title: Spatio-Temporal Gap Filling of Satellite-based Evapotranspiration Data

Employment Type: INTERNSHIP

Duration: 2 months

- Technologies Used: Python, QGIS, Bhuvan
- Libraries Used: Rasterio, NumPy, Matplotlib, Pandas, Dask
- Developed and implemented a spatio-temporal gap filling algorithm to handle missing data in satellite-based evapotranspiration datasets.
- Processed large-scale 10 years satellite data, improving computational efficiency using the Dask library for parallel processing and big data handling.
- Applied spatial and temporal interpolation methods to fill the missing values in the satellite data
- Gained proficiency in raster data handling and geospatial analysis using Rasterio and QGIS.

PROJECTS

Project Title: GANGS - eCommerce Website Development

Role: Full-Stack Developer

- Technologies Used: React.js, Node.js, Express.js, MongoDB
- Libraries & Tools Used: React Hooks, React Router, Framer Motion, Lottie, Toastify.
- Developed a full-stack eCommerce website with a custom REST API and dynamic product display
- Implemented a responsive UI with Framer Motion animations, and smooth navigation.
- Built interactive features like image sliders, expandable product details, and address management.
- Designed an address management system with selectable, editable, and removable addresses.
- Designed and managed a MongoDB database for storing products, user data.

SKILLS

Python	JavaScript	React.js
HTML&CSS	Data visualization	Express.js
SQL	Power BI	Node.js
MongoDB	MERN stack	

COURSES & CERTIFICATIONS

- Engaged in a Full stack web-development internship program at the International Institute of Digital Technologies.
- Certified by IABAC in Data Science Foundation.

EDUCATION

Bachelor of Technology(CSE), Audisankara Institute of Technology	-	**7.27 CGPA**	2020 - 2024
Intermediate(MPC), Narayana Jr College	-	**8.84 CGPA**	2018 - 2020
SSC, Ravindra Bharathi School	-	**9.0 GPA**	2018

INTERESTS

Music, Cricket, Photography, Editing