

Prasad Babu K R

Senior Researcher at CSIR - 4PI, India

Experienced and detail-oriented Data Analyst with a proven track record in extracting valuable insights from complex datasets. Proficient in data analysis and data science using advanced statistical techniques and tools. Skilled in creating and maintaining data pipelines, dashboards, and effectively communicating complex findings to technical and non-technical stakeholders. Passionate about leveraging data for business growth and strategic initiatives.



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Bengaluru, India



scholar.google.com/citations?user=EY43gbMAAAAJ&hl=en&authuser=1



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SKILLS

Data Validation, Data Analysis and Data Visualisation

Data Science, Artificial Intelligence, Machine Learning and Deep Learning

Python (Numpy, Scipy, Pandas, Scikit Learn, PyTorch, Tensor Flow), R (dplyr, xlsx, Metrics), SQL, Power BI, C and MATLAB

Linux and High Performance Computing

INTERESTS

Financial Analytics

Customer Analytics

Predictive Analytics

Healthcare Analytics

Social Media Analytics

Data-driven Decision Making and Business Intelligence

WORK EXPERIENCE

SRF in CSIR-4PI Organization

Project: Climate & weather analysis using data science

08/2020 - 08/2023

Bengaluru, India

Achievements/Tasks

- Developed ML/DL models with Python frameworks
- Mentored team members related to project requirements and technical challenges
- Identified long-term trends in data through the application of machine learning techniques (regression, forecasting, and classification) and inferential statistical methods, including probability, hypothesis testing, and non-parametric Mann-Kendall trend test
- Discovered hidden patterns within datasets using unsupervised learning techniques such as clustering and dimensionality reduction, as well as deep learning techniques such as CNN and LSTM
- Addressed critical bugs and conducted thorough testing of developed modules to ensure improved quality, all within the allotted time
- Trained new junior resources by providing KT and conducting demos for external team members

JRF in CSIR-4PI Organization

Project: Climate & weather analysis using data science

08/2018 - 08/2020

Bengaluru, India

Achievements/Tasks

- Achieved an 80% similarity with good correlation between satellite and actual datasets through data cleaning and validation
- Designed algorithms and methodologies for 4-D data analysis, showcasing expertise in developing innovative approaches for complex data sets
- Demonstrated expertise in understanding the AI/ML model lifecycle
- Applied high-end graphical work to enhance data interpretation

CERTIFICATIONS & ACHIEVEMENTS

Google certification on "Introduction to Generative AI"

Received appreciation and a recognition award from project leadership

Fellowship from AICTE, India based on GATE - 2014 qualification

UGC-NET JRF award in 2017 and promoted as UGC-NET SRF in 2020

Published 3 Science Citation Index (SCI) and 1 Peer-reviewed scientific journals

Presented work in National (India) & International (Vienna, Austria) conferences

EDUCATION

Doctor of Philosophy (PhD) Submitted in Engineering (CGPA: 8.66)

Academy of Scientific and Innovative Research (AcSIR)

01/2024

Ghaziabad, Uttar Pradesh

Master of Technology in ECE (% Marks: 77.44)

Sri Venkateswara University, Tirupati

03/2017

Tirupati, Andhra Pradesh