Rama Kamala Rajeswari Parasa
Vannes, France

rama.parasa@stud.plus.ac.at
prkrajeswari3@gmail.com

Education

MSc, Copernicus Digital Earth - GeoData Science
2022-present

Awarded Erasmus Mundus Scholarship
Expected completion - 2024

University of Salzburg, AT; University of South Brittany, FR

- Key courses: Artificial Intelligence (ML&DL), Computer Vision, High-Performance Computing, Object-Based Image Analysis, Spatial Databases, Active & Multitemporal Remote Sensing, Software Development (Basic)
- Projects: Semantic Enrichment for Deep Learning (*ongoing* - Thesis), ML pipeline for house price prediction

Urban Fellowship Program
2018-19

Indian Institute for Human Settlements, Bangalore
Grade: 3.4/4

- Key courses: Urban informatics, land rights & governance, urban health, ecology, city planning
- Project: *Almost every building in Bangalore*–Built a spatial 3D dataset for Bangalore using land use plans and SRTM data (under Urban PEAK Project, supported by UK Research & Innovation)

BTech, Geoinformatics
2014-18

Andhra University, Visakhapatnam
Grade: 8.13/10

- Key courses: Remote sensing, GIS, photogrammetry, geomorphology, operations research, statistics
- Thesis project: Estimated population demand on PHCs in Visakhapatnam city using spatial methods
- Co-initiated 3 student clubs and trained their executive teams, organised 11 events and managed over 400 students

Professional Experience

EO Analytics Lab, Paris Lodron Universität Salzburg
Mar'23-Present

Research Assistant (part-time)
Salzburg, Austria

- Created python workflows analysing EO datacubes from sen2cube.at for ESG metrics for real-estate properties

Artha India (Formerly, team at IDFC Institute)
Mar'20-Jun'22

Associate (Apr'22-Jun'22), Senior Analyst (Mar'20-Mar'22)
Mumbai, India

- Led methods research on analysing geographic access of urban informal settlements to their nearest health facilities
- Led data analysis components of a project evaluating the public grievance redressal system of a major state in India
- Worked with multi-stakeholder research groups consulting the central government on national open data policies
- Assisted with data analysis for state- and city-level COVID-19 serology studies
- Trained colleagues on data tools including QGIS, Tableau, Google Data Studio, and Timeline JS

Lakeer Foundation
May-Oct'19

Product Manager
Hyderabad, India

- Coordinated the development of open-source spatial tools for exploratory visualisation and analysis of city data
- Assisted on a project on slum detection using satellite imagery in collaboration with University of Southern California and Microsoft Research

Personal Projects

Delhi Draft Master Plan 2041 Interactive tool
Jul'21

- Recreated spatial data from the city plan maps and co-developed an interactive tool to make the plan more open
- The tool was used in local awareness campaigns across the city

Railway Routes from OSM Data
Oct'21

- Developed prototype script to construct railway routes using train schedule data using OSMnx, Geopandas

Leadership

IEEE AU Student Branch
Sep'15-Dec'16

Vice Chairperson

- Built the executive committee and hosted 3 technical talks and a workshop; managed 6 teams and over 200 students

Visakhapatnam Toastmasters Club
Oct'15-Mar'16

Vice President, Education

- Assisted 6 club members achieve their speech goals & develop their public speaking

Skills

Spatial software: eCognition, EnMap-Box, PostGIS, QGIS, ArcGIS Desktop & Online, Kepler
Other: Python, PostgreSQL, Tableau, Google Data Studio

Languages

Telugu (Native), Hindi (Native), English (C2)