



RUBANKUMAR MOORTHY

Date of birth: 18 Dec 1995

CONTACT

📍 Emsstraße 2b,
38120 Braunschweig,
Germany

✉ rubankumarm3@gmail.com

☎ (+49) 1737563162

🖱 <https://github.com/Ruban-geoinfo>

🌐 LinkedIn: <https://www.linkedin.com/in/rubankumar-moorthy/>

GEOINFORMATICIAN

Summary

Adept geoinformatics graduate with four years of experience in GIS and spatial database management. I am skilled in open-source web mapping applications with geodatabase systems and geodata analysis. I have been working in the environment of ArcGIS Desktop, Geoserver, PostGIS, QGIS, R and Python programming for over five years. In addition, I worked on diverse scientific projects focused on geodatabase administration, water management systems, documentation, software testing and Spatio-temporal analysis.

Area of expertise

- GIS and Geodata management systems
- Groundwater and utility mapping
- Software Testing and QA
- Web mapping and SQL programming

Technical proficiencies

Programming languages – PostgreSQL, R, Python, HTML5, CSS, JavaScript.

Databases - PostGIS, Oracle, MySQL.

ArcGIS Pro / QGIS / PostGIS / Bentley Microstation / Microsoft Office/ LaTeX/ Git / FME Safe Software / Linux, Windows and macOS.

Language skills

English (C1), German (A2)

WORK EXPERIENCE

19 MAR 2020 – 30 DEC 2021 – Braunschweig , Germany

Student Research Assistant

Deutsches Zentrum für Luft- und Raumfahrt

Implemented DIAK (Digital St. Andrew's Cross) GUI for web mapping and analyzing transport infrastructures with OpenLayers, GeoServer, and PostGIS database.

1 SEP 2019 – 4 MAR 2020 – Braunschweig , Germany

Research Intern

Deutsches Zentrum für Luft- und Raumfahrt

Developed Rail2X GUI for on-screen SQL-based spatial analysis and visualization of Spatio-temporal railway mass data using OGC-standardized web-map technologies.

14 MAY 2017 – 15 JUL 2018 – Chennai, India

LiDAR and Geoinformatics Engineer

Goodland Geospatial and Consultants Private Limited

Produced georeferenced 3D vector maps from aerial imagery and laser scanning data. Performed GIS data creation, management, and spatial analysis for forestry and land management mapping with ArcGIS enterprise and MicroStation.

31 MAY 2016 – 30 JUN 2016 – Chennai, India

GIS- Intern

Mailsoft Solutions Private Limited

The work focused on georeferencing aerial images with ground control points and mapping the mobile-network tower location information collected by DGPS and QGIS.

EDUCATION AND TRAINING

1 OCT 2018 – 10 JAN 2022 – Germany

Master of science

Westfälische Wilhelms-Universität Münster

Developed open-source design for the dynamic drone geofencing system with LDM technology and implemented a central database architecture for 2D, 3D geofences with restricted fly zones.

Field(s) of study

- Geoinformatics

2.0 | Evaluation of open geospatial data quality and impact of public transportation on flight planning to develop a dynamic drone geofencing system for an urban environment | <https://elib.dlr.de/148144/>

1 AUG 2013 – 22 APR 2017 – Chennai, India

Bachelor of engineering

Anna University

Developed cloud-based application with ArcGIS online to determine optimal locations for tower facilities that will service demand from the surrounding population using location-allocation analysis.

Field(s) of study

- Geoinformatics

2.3 | Site selection for the erection of new cellular tower in Chengalpattu taluk using web GIS technology.

<https://ruban181295.maps.arcgis.com/apps/webappviewer/index.html?id=009de08bae63421da8b7af3f13b00b2f>