

RIYAS MOIDU JAMEELA

Geospatial Engineer | Developer | Test Automation | Team Lead

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🔗 Portfolio: riyasmjgeo.github.io/portfolio

🔗 LinkedIn: www.linkedin.com/in/riyas-jameela-19b7a9207

📍 Liverpool, United Kingdom ☆ Work Permit: United Kingdom, India

EXPERIENCE

Verification Prime 04/2025 - Present

Hexagon Aberdeen, Scotland

- Developed detailed test specification and Python-based test suite integrated with Jenkins for fully automated verification of embedded GNSS firmware.
- Served as scrum master for the agile testing team, facilitating timely test development and execution, while acting as an SME to troubleshoot issues and mentor team members.

Software Engineer 09/2022 - 03/2025

Hexagon Hyderabad, India

- Contributed to Python packages used for computing and analyzing GNSS performance.
- Developed and managed regression and soak test suites for testing latest firmware builds for embedded GNSS firmware during its development cycle.
- Promoted continuous learning, hosted and delivered recurring technical sessions, and developed training materials.

Project Scientist 03/2022 - 09/2022

National Centre for Polar and Ocean Research Goa, India

- Quantified climate change impacts in Antarctica by mapping ice velocity changes using Sentinel-1 SAR images and geospatial techniques.
- Drafted a project proposal detailing initial findings on climate change impacts in Antarctica continent.

Senior Research Fellow 05/2017 - 03/2022

Indian Institute of Technology (IIT-ISM), Dhanbad Dhanbad, India

- Developed an automated system to detect underground coal fires using thermal-infrared satellite images.
- Quantified surface deformations due to underground coal fires and identified collapse risk zones using remote sensing and GIS techniques.
- Published scientific journal articles showcasing research findings.

Project Assistant 09/2014 - 03/2017

National Institute of Oceanography Goa, India

- Conducted environment impact assessment of a proposed sea link in Mumbai city.
- Mapped historic shoreline changes, and identified potential risk zones and their causes.
- Published scientific journal articles showcasing research findings.

EDUCATION

Master's degree in Geoinformatics (GIS) 06/2011 - 04/2013

Cochin University of Science and Technology (CUSAT), Kerala, India

Bachelor's degree in Physics 06/2008 - 04/2011

University of Calicut, Kerala, India

OTHER ACHIEVEMENTS

- Published three scientific articles in peer-reviewed, reputed international science journals.
- Developed and shared apps and scripts for the public for free.
- Received three awards from Hexagon for exceptional performance.
- Secured all-India ranking 407 in Graduate Aptitude Test in Engineering (GATE)
- Secured overall IELTS band score 7.



SUMMARY

Experienced Software Engineer with over a decade of hands-on expertise across **geomatics, software testing, programming, automation, research, and leadership**. Known for my meticulous attention to detail and adaptability, I consistently develop and implement high-quality solutions for complex problems demanding multidisciplinary proficiency. Currently holding a **long-term UK work visa** and actively seeking a position where I can apply my comprehensive skill set.

CERTIFICATION

Certified Tester Foundation Level

ISTQB

DevOps Engineer

Edureka

Python Professional

SKILLS

[Software Testing]

Jenkins, Polarion, Automation, PyTest, Regression Test, Soak test, Selenium, Test Plan, Test Design, Test Suite

[DevOps]

Python, Git, Linux, Docker, AWS, Azure, Grafana, Kubernetes, Scrum, Ansible, R, Agile, Jira, Django, CI/CD Pipeline, SQL, DBMS, REST API, Technical Writing, ML, Prompt Engineering, JavaScript

[Geospatial]

Remote Sensing, GIS, GNSS, GeoServer, ArcPy, ArcGIS, QGIS, GDAL, Geopandas, OpenLayers, WebGIS, Earth-Engine

REFERENCES

Ms. Lekha Ramidi

Executive Manager, Global Test Engineering, Autonomy & Positioning Division, Hexagon, Calgary, Canada
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Mr. Brendan Lee

Process Innovation Manager, Program and Process Management, Hexagon, Calgary
E-mail: brendan.lee@hexagon.com