

Krishna Pabbaraju

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SKILLS

- **Programming Languages:** Python, Java, MATLAB, R Programming, SQL
- **GIS Software's:** ArcGIS, ArcMap, ArcSWAT, ArcCatalog, ArcPy, ArcGIS Server, ERDAS Imagine, QGIS, eCognition, Pix4D, HEC-HMS
- **Designing Software's:** AutoCAD, ETABS , Qt Designer
- Data modeling, database development, spatial modeling, Remote Sensing and Cartography

EDUCATION

ST. CLAIR COLLEGE, Windsor, Canada
Diploma in Computer Programming

Jan 2024 – Present

National Institute of Technology, Warangal, India
Master of Technology in Remote Sensing and Geographical Information Systems

2014 - 2016

JNTU, Hyderabad, India
Bachelors Degree in Civil Engineering

2010 – 2014

EXPERIENCE

Application Developer

Jun 2023-Present

Buchanan Technologies, Canada

- Develop back-end services to support web applications using Flask and FastAPI
- Proficient in writing SQL queries to retrieve information from relational databases.
- Experience with Azure DevOps CI/CD pipelines.
- Develop code to perform Azure AD authentication using both delegated and application permissions as required.
- Strong understanding of containerization with Docker and Kubernetes.

Environment: Python Programming, PySpark, Azure DevOps CI/CD, FastAPI, Docker, SQL

Senior Research Fellow

Nov 2017 - Mar 2020

National Remote Sensing Center, Hyderabad, India

- Analyzed geospatial data and produced customized cartographic products.
- Utilized python scripting to automate image processing and product generation.
- Designed a standard map template allowing for a simplified process to produce standardized maps still currently in use.