

# PRAGATI SRIVASTAVA

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An enthusiastic Web GIS Developer who is a self-starter and capable to use technical skills for the betterment of the organization. A master's degree in Computer Application has enhanced my proficiency in developing web applications and looking forward to work in a competitive environment that enhances overall learning.

## EXPERIENCE (TOTAL EXP 3 YEARS)

Working as a **Project Scientist in Remote Sensing Application Centre Uttar Pradesh, Lucknow** since June 2021.

### Job Responsibilities:

- Web GIS Development using open-source technologies (Geoserver, Leaflet JS, Open Layers JS).
- Knowledge of geo-processing tools to support GIS, and SLD creation, and PostgreSQL, PostGIS3.0.
- Knowledge of OSG web services (WMS, WFS, WMTS, WPS) and GeoWebCache.
- Create the objects in the database, such as triggers, indexes, etc.
- Monitor the performance of the database and ensure optimum performance.
- Identify potential issues in the database to solve them early.
- Maintain backups and perform disaster recovery in case a disaster destroys the database.
- Monitor security and prevent any unauthorized access to the database
- Schedule consistent maintenance on the server
- Maintain database schema
- Manage database availability
- Give best practice guidance to the development team
- Resolve any production data issues
- Role management
- Develop automation technologies to accelerate the process of data loading
- Ensure data integrity

- Manage user access and permissions by adding and removing users as required
- Maintain the database using different utilities.

Worked as a **junior Software Engineer Gunvacci Consulting Services, Lucknow** from Sept 2020 to 14<sup>th</sup> JUNE 2021.

- Creating and maintaining database standards and policies
- Supporting database design, creation, and testing activities
- Managing the database availability and performance, including incident and problem management
- Administering database objects to achieve optimum utilization
- Defining and implementing event triggers that will alert on potential database performance or integrity issues
- Performing database housekeeping, such as tuning, indexing, etc.
- Monitoring usage, transaction volumes, response times, concurrency levels, etc.
- Identifying reporting, and managing database security issues, audit trails, and forensics
- Designing database backup, archiving, and storage strategy
- Web GIS Development using open-source technologies (Geoserver, Leaflet JS, Open Layers JS).

## **EDUCATION**

- **MASTER OF COMPUTER APPLICATION (MCA)** with 7.81CGPA from **BABASAHEB BHIM RAO AMBEDKAR UNIVERSITY** (Central University) 2017-2020
- **BACHELOR OF COMPUTER APPLICATION (BCA)** WITH 66.6% **UNIVERSITY OF LUCKNOW** 2014 - 2017

## INTERNSHIP

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- Six-month training in **Remote Sensing Application Center**, Department of Computer Science (UP), Lucknow on **WebGIS Development** (Jan – June) 2020
- One-Month training in **Computer Forensic, Forensic Science Laboratory**, Maha Nagar, Lucknow (2017)

## SKILLS

- Web Development (HTML5, CSS, JavaScript, Bootstrap)
- LeafletJS
- Open Layers
- Geoserver
- PostgreSQL, Postgis3.0
- Spring boot (Java) Framework
- Core Java
- ReactJS

(Pragati Srivastava)