

# PAVITHRA M V

Bengaluru, Karnataka 560068 | +91 6361009538 | [pavithramv064@gmail.com](mailto:pavithramv064@gmail.com)  
[LinkedIn Profile](#) | [pavithramv-portfolio.netlify.app](https://pavithramv-portfolio.netlify.app)

## CAREER SUMMARY:

---

Detail-oriented Software Developer skilled in designing efficient algorithms, data transformations, and scalable solutions. Proficient in multiple programming languages and tools, committed to driving organizational success as a collaborative team player.

## TECHNICAL SKILLS:

---

- Languages: C/C++, Python, Java, SQL, HTML, CSS, C#.
- Tools: Qt creator, Visual studio, PowerBI, Anaconda, Jupyter notebook
- Frameworks: Django, React JS
- Other Skills: Logical Reasoning, Team Leadership, Problem Solving.

## WORK EXPERIENCE:

---

**Q-gate Infotech Private Limited, Bengaluru, Karnataka**  
**Software Developer Trainee**

**November 2024 - Present**

- Designed and implemented optimized algorithms for advanced data transformations and spatial computations, enhancing performance and precision in processing complex datasets.
- Worked on projects involving 3D spatial data analysis and geometric computations, ensuring scalability and accuracy in deliverables.

**AI Bricks Bengaluru, Karnataka**  
**Data Analyst Intern**

**October 2023 - April 2024**

- Performed exploratory data analysis (EDA) on large datasets using Python and SQL, identifying key patterns and trends to enhance model accuracy and system reliability.

## PROJECTS:

---

### Lidar Data Processing Software

- Developed a mini LiDAR data processing software enabling automatic and manual classification of 3D point cloud data.
- Implemented automatic feature classification (ground, vegetation, powerlines) using spatial filtering algorithms.
- Built manual classification tools to support custom tagging and editing by GIS analysts.
- Integrated real-time 3D rendering and interaction using C++, OpenGL, and Qt for efficient desktop deployment.

### AI-Based Genuine Hospital Recommendation Using Blockchain

- Developed an AI-based hospital recommendation system in Python to predict suitable hospitals and treatment costs, integrated with Ethereum blockchain to ensure secure fundraising and maintain data integrity through smart contracts.

## CERTIFICATIONS & ACHIEVEMENTS

---

**Certifications :** Python , Data Analyst .

**Hackathons :** Active participant in "Sentinel Hack" 3.0 and 4.0 (2022, 2023)

## EDUCATION:

---

**T John Institute of Technology, Bangalore, Karnataka**  
B.E. in Computer Science and Engineering

**August 2020 - July 2024**

- CGPA: 8.43