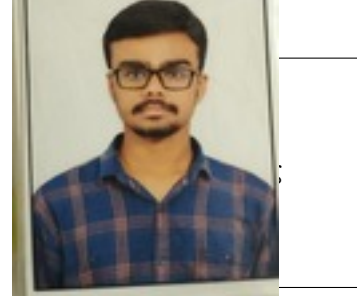# HARSHITH B M

Bangalore, India

📞 +91-8861140614  ✉ harshithbm0123@gmail.com  in harshithbm  ○ Harshithbm2003

## EDUCATION

**PES University**                                                                                  **2022 – 2026**
*Bachelor of Technology in Computer Science and Engineering - **CGPA** - **7.14***          *Bangalore, India*

**Sri Aurobindo PU College**                                                                        **2020 – 2022**
*Pre University - 12th State Board - **Percentage** - **90%***                                    *Sagara, India*

**Sri Ramakrishna Vasathi Vidyalaya**                                                                      **2020**
*10th State Board - **Percentage** - **94%***                                                    *Sagara, India*

## COURSEWORK

- Machine Learning
- Data Analytics
- Data Structures & Algorithms
- Applied Cryptography
- Computer Network Security
- Blockchain Technology
- Information Security
- Database Management

## PROJECTS

**Smart Electricity Billing System for MESCOM | Python, CSV, CLI**                                        **2024**
- Developed Python-based tool to automate electricity bill generation using real-time meter readings and predefined tariff slabs
- Implemented customer management, billing history tracking, and month-wise consumption reports
- Calculates bills with both fixed and slab-based variable charges, storing transactions in structured CSV files

**Solubility Predictor for Chemists and Biologists | MATLAB, scikit-learn**                               **2024**
- Leveraged machine learning to predict solubility of various molecules in water and other solutions
- Key factor in drug discovery and chemical research for determining viable molecular candidates

**TCP/UDP Port Scanner | Python, Tkinter, SSL**                                                           **2023**
- Scans specified IP addresses/domains to identify open TCP and UDP ports with services running
- Features user-friendly graphical interface accessible to both beginners and experts
- Displays comprehensive results showing open ports and corresponding services clearly

**Meditation Generator Using AI | Python, Streamlit**                                                     **2023**
- Streamlit web application for creating customized meditation sessions based on mood and available time
- Generates tailored meditation scripts to guide users into relaxation and inner peace

**Monkey Type Bot Using AI | Python, Selenium, PyAutoGUI**                                                **2023**
- Python script designed to automate typing on Monkey Type website with high accuracy
- Demonstrated web automation techniques using Selenium and PyAutoGUI libraries

## INTERNSHIP

**NullClass** ⎘                                                                                    **2024 – 2024**
*Project-Based Internship*                                                                                *Online*
- Completed project-based internship program gaining hands-on experience in real-world applications
- Developed practical skills through implementation of various machine learning and software development projects

## TECHNICAL SKILLS

**Machine Learning:** PyTorch, Pandas, NumPy, Scikit-learn, TensorFlow
**Programming Languages:** Python, C, C++, Java, HTML, CSS, MySQL
**Tools & Platforms:** VS Code, GitHub, Google Colab, Matlab, Streamlit, Tkinter
**Technologies:** Selenium, PyAutoGUI, SSL, CLI, CSV Processing

## CERTIFICATIONS

- HackerRank Java (Basic) Certification
- HackerRank Intermediate Level Certification
- Cybersecurity Certification - Applied Cryptography
- Computer Network Security & Blockchain
- NullClass Internship Certificate
- NullClass Project Completion Certificate

## ACHIEVEMENTS

- **HackerRank Certifications:** Validated foundational skills in programming and problem-solving with focus on essential algorithms and coding techniques
- **Cybersecurity Specialist:** Certified professional specializing in Applied Cryptography, Computer Network Security, Blockchain, and Information Security
- **Academic Excellence:** Consistent academic performance with 90%+ scores in 10th and 12th standards