Revathy **Venugopal**

Profile

Innovative and passionate **software developer**, seeking to leverage extensive background in Software development. Proficient in Python programming, I have successfully developed and maintained multiple scalable and efficient software applications. Demonstrated strong problem-solving skills by implementing optimised algorithms and data structures in Python, significantly improving system performance.

Contact details

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✉ Lyon, France

Personal information

Citizenship: **Indian**
Languages: **French** (B2), **English** (C1)

Experience

R and D Engineer at *Ansys (Lyon).* **2022.05–pres.**
◇ Python development, AI/ML, sphinx documentation, best practices in software development, GitHub, CI/CD, RAG based LLM development.

Machine Learning And Robotics Intern at *SITIA Robotique (Nantes).* **2021.09-2022.03**
◇ Developed a Python-based software for the robot, implemented a new algorithm for the robot to detect and avoid obstacles, TensorFlow, OpenCV.

Graduate engineer trainee at *BPCL Kochi Refinery (Kerala, India).* **2019.06–2019.08**
◇ Electrical maintenance, troubleshooting, and repair of electrical equipment.

Education

Master of Science in Embedded Systems. *ESIGELEC, Rouen.* **2020–2022**
◇ Embedded systems, software development, machine learning, robotics, computer vision.

Masters degree, Automotive Embedded System. *Manipal School of Information Sciences.* **2020–2021**
◇ Automotive embedded systems, software development, machine learning, robotics, computer vision, IOT, embedded C, Real-time operating systems.

Bachelor of Technology in Electrical and Electronics Engineering. *College of engineering, Munnar* **2016–2020**
◇ Electrical and electronics engineering, power systems, electrical machines, control systems, power electronics.

Additional education

Using Python to Access Web Data. *Coursera.* **2021**
◇ Python, web data, web scraping, web services, XML, JSON.

Introduction to Programming Using Python. *Coursera.* **2020**
◇ Python, programming, data structures, algorithms.

Python Data Structures. *Coursera.* **2020**
◇ Python, data structures, algorithms, programming.

Skills

- Python, C, JS, CSS, HTML
- Docker, Jupyter notebook
- Tensorflow, OpenCV, PyTorch
- MS Word, Excel, PowerPoint
- Communication and team collaboration

Hobbies

Music, reading, cooking, travelling.