

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.