

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

@ revathyvenugopal162@gmail.com

+33 769 359 272

github.com/revathyvenugopal162

✉ 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.