

ASWATHI KRISHNA P T

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PROFILE

Results-oriented Software Engineer with 1 year of experience in Python development and automation. Skilled in building scripts and tools to streamline processes, integrate systems, and enhance operational efficiency. Proficient in Python, SQL, and debugging, with hands-on experience in POS system support and optimization. Collaborative team player focused on delivering reliable and efficient software solutions.

EXPERIENCE

Assistant System Engineer

Oct 2024 – present

Tata Consultancy Services

Trivandrum, India

- Developed and deployed **Python automation scripts** to streamline data processing, generate reports, and reduce manual workload, significantly improving efficiency.
- Designed, optimized, and maintained **SQL queries** for reporting and analytics, enhancing data accuracy and reducing turnaround time.
- Automated software package deployment using **NFM**, ensuring seamless updates with minimal downtime.
- Analyzed and resolved complex technical issues, applying root cause analysis to achieve a **20% reduction in recurring issues**.
- Provided end-to-end support for **POS systems**, ensuring 99% uptime and delivering reliable operational performance.

EDUCATION

Bachelor in Artificial Intelligence and Data Science

2020 – 2024

Jyothi Engineering College

Thrissur, India

CGPA- 8.32/10

SKILLS

Programming Languages — Python, Java, SQL.

Technologies and Tools — Machine Learning, Deep Learning, Data Science, Data Analytics, Computer Vision, Keras, Tensorflow, PyTorch.

PROJECTS

GREEN-SORT: DEEP LEARNING ALGORITHM FOR WASTE CLASSIFICATION

An automated Waste Classification System developed using Deep Learning. The system classifies input images(Waste Images) into different classes. Accomplished a notable accuracy of 92.32%.

PNEUMONIA DETECTION USING CNN

A Pneumonia Detection System is a computer-based tool that uses Deep Learning to identify the presence of pneumonia and other lung diseases(COVID-19,Tuberculosis) using medical images, such as chest X-rays.

INTERNSHIPS

Data Science Intern- Aican Automate in association with Teachnook

Oct 2022 –
Nov 2022


During a two-month internship, I analyzed scientific data and developed predictive models using machine learning techniques. This enhanced my machine learning knowledge, decision-making, and project management skills. I also gained valuable data analysis tactics for a Data Scientist career.

Data Science Intern- Pace Lab, Kochi


May 2023

Underwent a 1 week fully sponsored classroom training program on data science. The training covered various topics, including data science principles, cloud computing, and AWS. Also worked on some hands-on projects using some machine learning algorithms such as KNN.


ACHIEVEMENTS

Introduction to Python:  Certification provided by Coursera, Learned the basics of python programming.

Python(Basic):  Successfully completed certification on Python(Basic) provided by HackerRank.

Getting Started with Neural Networks:  Certification Provided by Analytics Vidhya, learned the foundations of Artificial Neural Networks(ANN).

Introduction to Natural Language Processing:  Certification Provided by Analytics Vidhya, Gained insights into the basic concepts of NLP.

Hack@Arch:  Participated in a 36-hour national-level hackathon conducted by TinkerHub GECT and IEEE Computer Society GECT.