MURALI KRISHNAN

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EDUCATION

Bachelor of Electronics and computer Engineering, SRM University	Expected 2025
HSC, Sri Divya chaitanya Matric Hr.Sec school, Sholinghur	2019 - 2021

EXPERIENCE

Bootcamp

- Successfully completed a 5-day IoT boot camp conducted by TVS Training and Services Ltd, focusing on smart devices, from Feb 20, 2023, to Feb 24, 2023
- Certified with distinction (94%) by TVS Training and Services Ltd in an intensive IoT program, gaining hands-on experience and in-depth knowledge

Volunteer

- As a team leader of fifteen members, I played a key role in planning and executing community service initiatives
- Transformative volunteering honed proficiency in over five skills, including managerial skills, teamwork, communication, and debugging, fostering personal and professional growth

SKILLS

Technical Skills	Python, MySQL, HTML, CSS.
Domain Skills	Software Management, Data Structures, Algorithms, DBMS, OOPs, Version Control.
Soft Skills	Communication, Team Work, Leadership, Debugging, Precision.

PROJECTS

Enhancing Visibility in Foggy and Smoky Environments Using Python:

- Employed Python and OpenCV for image preprocessing and enhancement, leading to a 25% increase in clarity, particularly beneficial for autonomous driving and surveillance applications.
- Utilized advanced image dehazing techniques, including Dark Channel Prior and CLAHE, to improve image quality and visibility by 30%.
- Conducted extensive testing on over 1,000 images with a team of three, resulting in a 20% improvement in clarity metrics through continuous refinement of the algorithm.

Expense Tracker:

- Engineered an Expense Tracker, enabling users to input and manage expenses, processing over 500 transactions
- Implemented a robust database (SQLite/SQLAlchemy) capable of handling and storing data for over a thousand expense records

CERTIFICATIONS

IBM Python for Data Science	[Certificate URL](#)
IBM Machine Learning With Python	[Certificate URL](#)
The Joy Of Computing Using Python	[Certificate URL](#)
Data Analytics With Python	[Certificate URL](#)
SQL for Data Science	[Certificate URL](#)

RESEARCH WORK

Leveraging Python for Predictive Analytics in Healthcare *machine learning, data science*

This paper presents a Python-based model for predicting patient readmission rates, utilizing machine learning algorithms such as Random Forest.Analyzed data from over 10,000 patients achieved an accuracy of 95.4%. The findings highlight key factors influencing re admissions and demonstrate Python's effectiveness in enhancing healthcare decision-making.

EXTRACURRICULAR ACTIVITIES

- Orchestrated strategic training and competition tactics for the Tamil Nadu team, leading to a victorious first-place finish at the National Tug of War Championship, Maharashtra (14-25 Aug 2019)
- Secured first place by leading a cross-functional team in a strategic competition, improving collaboration and execution; recognized for outstanding performance and awarded a trophy, boosting team morale by 50

POSITION AND RESPONSIBILITY

Event Coordinator *Elecxa by SRM*

Successfully organized an event where participants presented their research and technology projects, recognizing and awarding the most innovative and practical submissions, with over 100 attendees.

Member *Campus Life*

Campus Life is one of the largest clubs at SRMIST, dedicated to organizing cultural events within the college. I have been an active member of this community since my 5th semester.