

MUTHU PALANIAPPAN M

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OBJECTIVE

An aspiring data scientist and ML enthusiast who is passionate about solving problems and building ML applications to improve human life. Have a strong interest in data analytics and a dedicated team player with excellent organizational skills, having successfully managed multiple academic projects and developments.

EDUCATION

B.Tech AI & Data Science, Shiv Nadar University Chennai 2021 - Present
CGPA: 9.54/10.00

Relevant Coursework: Machine Learning Techniques, Foundations of Data Science, Exploratory Data Analysis, Statistical Inference, and Analysis of Algorithms.

Class 12th Central Board of Secondary Education, Cauvery Global Senior Secondary School 2019 - 2021
Percentage: 95

School Topper under Computer Science Stream

Class 10th Central Board of Secondary Education, Mahatma Gandhi Centenary Vidyalaya 2018-2019
Percentage: 90

Actively involved in extracurricular activities, such as student government and volunteering at local events

SKILLS

Programming Languages: C, Python, Java and familiar with R.

Frameworks and Libraries: Scikit-learn, Pandas, Numpy, Flask, Plotly, TensorFlow, Seaborn, Matplotlib and NLTK-Toolkit

Data Storage: MySQL, PostgreSQL and Amazon s3.

Tools & Technologies: GIT, Jupyter Notebook, AWS EC2, Streamlit and Google Cloud AUTOML.

CERTIFICATIONS

- Artificial Intelligence Virtual Experience Program - Cognizant ([Credential](#))
- Python for Data Science and Machine Learning - Udemy ([Credential](#))
- Master Numpy and Pandas - Udemy ([Credential](#))
- Diploma in Data Science and Machine Learning - Udemy ([Credential](#))
- Data Science Virtual Experience Programme - British Airways ([Credential](#))
- Data Analytics, Storage, Mining & Visual Big Data Technologies - Udemy ([Credential](#))
- Tensorflow with Python - Udemy ([Credential](#))

INTERNSHIP

Full Stack Developer Intern JUN 2022 - Jan 2023
Shiv Nadar University Chennai Speech Lab *Chennai, India*

- Developed Front-end page with HTML5, CSS, JS.
- Working on Flask framework in Python - Integration of Speech related application on Webpage.
- Writing Clean and functional code on the front- and back - end.
- Testing and fixing bugs and other coding issues.
- Creation and design of Scalable site.

Web Developer

Shiv Nadar University Chennai

JUN 2022 - Present

Chennai, India

- Developed a Front-End Page for SNUC Research.
- Fixing Bugs in a University site.
- Developed and Designed a page for EduQuest'23 and SNUC TELL'22 Conference.

PROJECTS

End to End Electives Recommendation System [Python,Numpy,SciKit Learn,Streamlit] : The Objective of this project is to provide recommendations to students for choosing their open as well as professional electives. - Data Collection - Data Filtration - Feature engineering and Text Preprocessing - Used CountVectorizer and Cosine Similarity - ML model deployment using streamlit cloud ([Link to Demo](#))

SUM-IT-Video Summarizing AI power tool [Python,Davinci,Google gTTs,Whisper AI,Streamlit] : Built a video summarizing application using Streamlit - Whisper - OpenAI - Google gTTs and implemented it using ChatGPT's API. This tool provides a short summary of videos that have a very long duration to make it easy for us to learn. ([Link to Demo](#))

Cognitive analysis and clustering with PEBL framework [C++,PEBL,Numpy,TensorFlow] : - worked on the cognitive architecture of the human brain. - Build a question set using PEBL in C++ - Model building - Reinforcement Learning ([Link to Demo](#))

RESEARCH

- Stimuli for Technological Innovation & Research for Student [STIRS](#) at Shiv Nadar University Chennai.
- Building an AI Model to explore and analyze human cognitive structure.

LEADERSHIP

- **Core Committee Member at Shiv Nadar University Chennai Coding Club.**
- **Lead a team of talented individuals to success and won first place in the I-Camp Hackathon**
- **Class Representative**

AREA OF INTEREST

Artificial intelligence , machine learning , Data science , Natural Language Processing , Image Processing , Cloud Computing and Reinforcement Learning.