

# VEERASAGAR SS

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## EXPERIENCE

- **Machine Learning Intern** Jun 2024 – Oct 2024  
*IiiqBets* Bangalore
  - Worked on the development of a Machine Learning model, classification and regression tasks. My role involved tasks on a financial project, assisting with frontend development and creating datasets. Worked to evaluate and compare the performance of different classification algorithms using a financial data set.
- **Junior Research Intern** Sep 2023 – Jan 2024  
*Defence Research and Development Organization (DRDO) – DEBEL* Bangalore
  - Worked in Natural language processing primarily on Named entity recognition and Relation extraction. Also, analyzed the working of Transformer models like BERT, Bio-BERT and Bio-Albert. Explored ways to visualize and gained experience in NLP areas.

## PROJECTS

- **Optimum Racing | Python, Gym, Numpy, Pandas**  
*A reinforcement learning-based model for predicting optimal race strategy in Formula 1* 2025
  - Trained a DRQN based RL agent to optimize tire strategy and pit stops.
  - Simulated race scenarios using historical data to enhance decision-making accuracy.
- **Vershachi Unlearning | Python, TensorFlow, ML**  
*A Capstone project in machine unlearning during my undergrad* 2024
  - Developed a practical framework, which unifies the machine unlearning algorithms and tools that are compatible and facilitates those who intent to perform unlearning of data.
  - My role was to Implement FUL to perform the unlearning of user's data from the model. Managed the publishing of the framework to PyPI, enabling easy installation and access.
  - Project available on PyPI: [vershachi](#)
- **Dash Application | Python, Dash, Pandas, CSV, Git**  
*A Dash web application project to visualize data* 2023
  - Developed a Dash web application end to end that uses Python, Dash components and Pandas to visualize US domestic airline flights performance using data from a CSV file.
- **Garage Go | HTML, PHP, JavaScript, SQL**  
*A Fullstack Database Management System project* 2024
  - It is a web-based garage management system developed using HTML, CSS, JavaScript, PHP, XAMPP, Apache servers, and MySQL database. I worked on the back end of the project in managing the database and scripting

## PUBLICATIONS

- Veerasagar S S."Vershachi Unlearning: A Framework for Machine Unlearning", Volume 13, Issue III, International Journal for Research in Applied Science and Engineering Technology (IJRASET) Page No: 426-434, ISSN : 2321-9653,.

## CERTIFICATIONS

- Quantum – Software Engineering Job Simulation
- OpenEDG Python Institute: Programming with Python
- Artificial Intelligence A-Z™ 2023 – Udemy
- Data Science Professional Certificate - KNIME
- Docker Foundations Professional Certificate
- Data Visualization with Python – Coursera

## Technical Skills

- **Programming Languages:** Javascript, Python, C++, Java, SQL
- **Dev Tools:** VS Code, Git/Github, Jupyter Notebook, Docker
- **Frameworks:** NextJS/React, NodeJS, PostgreSQL, Docker, Django, PyTorch, FastAPI

## EDUCATION

- **R.V. College of Engineering** Bangalore  
M. Tech in Computer Science and Engineering 2024 - 2026
- **Govt. SKSJ Technological Institute** Bangalore  
Bachelor of Engineering in Computer Science CGPA – 8.3 2020 - 2024