

EDUCATION

Florida State University Masters of Science in Data Science - Computer Science, GPA: 3.9	Tallahassee, FL August 2023 – May 2025
University of Pune Bachelors of Engineering in Information Technology, GPA: 9.1/10	Pune, India July 2018 – May 2022

TECHNICAL SKILLS

Programming: C, C++, Java, Advanced Java, Python (NumPy, Pandas, Matplotlib, Plotly, Seaborn), R
Machine Learning & AI: Scikit-learn, XGBoost, TensorFlow, PyTorch, NLTK, OpenCV, LangChain, Natural Language Processing (NLP), Generative AI, Large Language Models (LLMs)
Databases: SQL, SQLite, NoSQL, MongoDB, PostgreSQL, Amazon RDS, Hadoop
Tools & Cloud: Git, Microsoft Office, Power BI, Tableau, AWS (S3, Redshift), Snowflake, Microsoft Azure, Bitbucket

EXPERIENCE

COAPS - Florida State University (FSU) Web Developer / Analyst	Tallahassee, FL September 2024 – April 2025
<ul style="list-style-type: none">Designed and maintained ETL pipelines using SQL and Python to process data from 30+ marine research vessels, automating ingestion schedules and reducing manual handling. Conducted data profiling to flag missing values, detect outliers, and identify sensor anomalies in voyage logs.Refactored legacy PHP/SQL backend to modular architecture, reducing page load times by 40% and enabling cleaner database access for researchers. Set up GitHub Actions for CI/CD, cutting deployment time from hours to minutes and reducing build errors.Automated recurring data validation and reporting tasks using Python scripts, cutting manual effort by 25%. Introduced rule-based quality checks (e.g., range validation, null handling), reducing reporting inconsistencies and ensuring cleaner datasets for downstream analysis.	
IBM- Techademy Data Engineer Trainee	Pune, India March 2022 – October 2022
<ul style="list-style-type: none">Completed IBM-Techademy Data Engineering program with 3 applied projects involving ETL design, SQL optimization, and data modeling. Scripted workflows using Python and SQL to process 500K+ raw records, applying validation logic to preserve data accuracy.Built a batch processing pipeline using Hadoop and PySpark to clean, aggregate, and load 200K+ records into AWS S3. Outlined the workflow to handle large datasets in chunks, minimizing memory usage and preparing data for downstream analysis on a cloud setup managing over 100GB.Used SQL and Python to clean, reshape, and optimize large datasets for analytics. Improved query performance through indexing, optimized joins and filters, and table restructuring, reducing execution time by 40% on MySQL under simulated high-load conditions.	
Geniobits Private LTD Web Data Analyst & Team Lead Intern	Pune, India May 2021 – December 2021
<ul style="list-style-type: none">Led a data annotation team of 100+ interns to preprocess and label over 500K records using PySpark and Python scripts. Integrated Apache Airflow to schedule and monitor ETL jobs, improving data readiness speed by 40% for analytics in an edtech platform.Implemented and launched 5 dashboards on AWS using Power BI and Python, allowing users to filter and monitor over 100K learner records in real time. Reduced stakeholder reporting time by 50% and improved visibility into key learning performance metrics.Developed and served two ML models with PyTorch for classification and regression tasks, integrated via REST APIs into lightweight deployment pipelines. Raised model accuracy from 78% to 89% and cut deployment time by 60% using Docker containers.	

PROJECTS

AI-Powered News Summarizer	January 2025 – February 2025
<ul style="list-style-type: none">Engineered a real-time news summarization system using LangChain and GPT-3.5 to process articles from 20+ online sources. Tuned prompts, extracted keywords, and cleaned inputs to rank and summarize the most relevant articles using a scoring-based method.Created a responsive Streamlit web app comparing extractive (TextRank) and generative (LLM) summaries. Achieved a 30% improvement in summary consistency based on user testing and delivered concise, real-time takeaways for faster content consumption.	
Data-Driven Fitness Tracker with Predictive Modeling	November 2024 – December 2024
<ul style="list-style-type: none">Developed a fitness tracking application using Python, Pandas, and Scikit-learn to analyze 100+ user profiles. Trained a decision-tree model to recommend diet and workout plans, improving plan matching accuracy by 30% based on simulated user data.Configured a modular system with a mobile-friendly frontend, integrating Matplotlib for real-time metric visualizations. Achieved a 40% increase in model accuracy through validation and ensured high responsiveness across devices during testing.	
Twitter Sentiment Analysis	January 2024 – February 2024
<ul style="list-style-type: none">Processed and analyzed over 1 million Twitter posts using a Python-based NLP pipeline with a Naive Bayes classifier. Assembled detailed visual dashboards using Matplotlib and Seaborn to track sentiment trends by hashtag and topic, reducing processing latency by 25%.Boosted classification accuracy from 70% to 84% through feature scaling, engineered variables, and hyperparameter tuning. Enabled near real-time sentiment updates to monitor public opinion shifts across multiple user segments.	
Body Performance Analysis	October 2023 – December 2023
<ul style="list-style-type: none">Performed multiple regression analysis on 1,000+ records from the Korean Sports Promotion Foundation to study relationships between age, physical activity, and grip strength. Identified significant correlations that guided athletic training recommendations.Applied data visualization and linear modeling to isolate key physiological predictors of grip strength. Findings were used to support tailored training plans for 200+ athletes, improving exercise targeting by age group, fitness level, and activity intensity.	
Distributed Storage System using IPFS	August 2021 – May 2022
<ul style="list-style-type: none">Set up and integrated a decentralized file storage system using Django and IPFS, managing over 2TB of encrypted data across 100+ nodes. Maintained high availability and enabled secure access for 500+ global users through content-addressable storage.Published a research paper titled "Distributed Storage System Using IPFS" in the International Journal of Research and Analytical Reviews (IJRAR), contributing valuable insights to the field (Paper ID: IJRAR1CNP041).	

LEADERSHIP

Information Technology Engineering Student Association Management Head	January 2021 - January 2022
Toastmaster DYPCOE Founder and President	March 2020 - January 2022