

PYARAM PREETHI

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OBJECTIVE

Artificial Intelligence and Machine Learning undergraduate with strong foundations in JavaScript, SQL, REST APIs, and database management. Skilled in developing scalable applications, writing analytical SQL queries, transforming data, and integrating APIs. Passionate about backend development, data integration, debugging, and solving real-world engineering problems.

EDUCATION

B.E. in Artificial Intelligence and Machine Learning Engineering	Expected Apr 2027
Acharya Institute of Technology, Bengaluru	
Intermediate (Class XII)	2021–2023
Narayana Junior College	

SKILLS

Programming Languages: Java, JavaScript, Python
Web Technologies: REST APIs, JSON, XML, CSV, CSS3, HTML5, HTTP
Databases: MySQL, MongoDB, PostgreSQL
Data Visualization: Tableau, Power BI
Analytics: Excel, Statistics
Tools and Platforms: Git, GitHub Actions,
Soft Skills: Communication, Teamwork, Problem Solving

PROJECTS

IPL Cricket Data Analytics Platform

- Developed an IPL Cricket Data Analytics Platform using Python, SQL, and Kaggle datasets to analyze team and player performance.
- Designed interactive Power BI dashboards and performed data preprocessing, visualization, and statistical analysis to generate actionable insights.
- Built a machine learning model to predict match outcomes using historical IPL data, improving predictive analysis and decision-making.

EEG-based Neurological and Mental Health Detection

- Developed an EEG-based disease detection system using the Bonn EEG and MODMA datasets for neurological and mental health analysis.
- Performed EEG signal preprocessing, feature extraction, and trained machine learning and deep learning models for disease classification.
- Evaluated model performance using standard metrics and optimized accuracy through data preprocessing and feature engineering.

Enterprise Data Integration Platform

- Developed an Enterprise Data Integration Platform to integrate REST APIs, transform JSON data, and automate ETL pipelines for seamless data synchronization across multiple systems.
- Built scalable backend services using Node.js, Express.js, and PostgreSQL, implementing advanced SQL queries, data validation, asynchronous processing (async/await), and robust error handling.
- Containerized the application using Docker, tested APIs with Postman, managed version control using Git/GitHub, and documented integration workflows for reliable deployment and maintainability.

EXPERIENCE

Machine Learning Intern

Aug 2025 – Sep 2025

Skill Craft Technology

- Worked on multiple machine learning projects including House Price Prediction, Mall Customer Segmentation and Hand Gesture Recognition.
- Built prediction and customer segmentation models using machine learning algorithms such as K-Means Clustering.
- Developed image classification models using Support Vector Machine (SVM) and computer vision techniques.
- Improved model accuracy through preprocessing, feature engineering, and hyperparameter tuning.

EXTRA CURRICULAR ACTIVITIES

- Explored Machine Learning and Data Analytics through projects.
- Participated in technical project work in AI and web development.

CERTIFICATIONS

- Java DSA Course
- Full-Stack Web Developer
- Operating Systems – Scaler Academy
- Database Management Systems
- Introduction to Artificial Intelligence – IBM
- Python for Data Science – Anaconda / LinkedIn Learning
- Machine Learning Internship Certificate – Skill Craft Technology

LEADERSHIP

- Collaborated with team members to develop scalable solutions.
- Participated in technical discussions and planning.