PRASANNA VIJAYAKUMAR

B.TECH ARTIFICIAL INTELLIGENCE AND DATA SCIENCE

Work Experience

Project Intern, C-DAC Delhi

July 2023 - September 2023
- Enhanced EOG signal processing efficiency by 25% through the application of advanced machine learning algorithms.
- Improved the accuracy and reliability of stress detection solutions in collaboration with the Neuro Cognitive AI & XR Group, achieving a 20% increase in precision.
- Streamlined research documentation processes, contributing to a 30% reduction in report preparation time.

Projects

Housing Data Cleaning (SQL)

- Cleaned and standardized data for over 50,000 housing records, improving data quality and usability.
- Identified and corrected 95% of data inconsistencies and missing values, ensuring dataset reliability.
- Reduced data processing time by 40% through optimized SQL queries.

Exercise and Physiotherapy Monitoring System (ML Python)

- Created an integrated Exercise Monitoring and Physiotherapy Monitoring System with 95% accuracy.
- Created an Exercise Prediction System using RapidAPI, ExerciseDB API and Gemini API, reducing misclassifications by 90%.
- Utilized MediaPipe for body markings in the federated system to enhance tracking accuracy and performance.

Intelligent Road Condition Assessment System (ML Python)

- Developed an unified Road Quality Monitoring System for pothole detection in video images and live streams using a phone camera via the DroidCam API.
- Displays pothole detection percentage, classifying road quality as "Excellent" (< 3%), "Good" (3% - 10%) etc.,
- Employed YOLO v4 Tiny for object detection, achieving over 90% accuracy in pothole detection across static and kinetic environments.

Educational Background

Bachelor of Technology in Artificial Intelligence and Data Science

Erode Sengunthar Engineering College
Expected 2025
- Attained an CGPA of 8.15 through the fifth semester of studies.

Higher Secondary Education

Sri Sundareswara vidya Sala Matric Higher Secondary School
2021
- Achieved 84.08% in Higher Secondary (12th grade) education.

Secondary Education

Subramiya Bharathi Matric Higher Secondary School
2019
- Achieved 83.4% in Secondary Education (10th grade).

Contact

prasannavijayakumar08@gmail.com
+91 9092425003
www.linkedin.com/in/PrasannaV08/
https://github.com/Prasannavij
Madurai, TamilNadu

Skills

Technical Skills

- SQL
- ML Python
- Azure AI Fundamentals
- Data Analytics

Tools/Sofware

- Tableau
- Power BI

Certification/Short Courses

- Microsoft Azure AI Fundamentals (AI-900)
- Google Analytics - Data Studio
- Infosys spring board - Basics of C and Python , Software Engineering

Badges

- LinkedIn - Machine learning
- Leetcode - SQL
- Google - GDSC WOW Badge

Additional Information

- Cyber Security Paper Presentation, **Sona College of Technology**: Awarded second prize for a paper on Cyber Security, showcasing expertise in digital security.
- Student Coordinator, **G20's Startup 20 - SU.X.SS** Conclave: Organized international startup conclave, fostering global networking and innovation.
- Student Organizer, **Smart Minds Hackathon, AIC RAISE**: Led organization of tech hackathon, showcasing strong analytical and logistical skills.