Neeraj P Rao

3rd year, RV University

Kengeri Satellite Town,
Bangalore, 560060
+91 8277024683
neerajprao113838@gmail.com

EXPERIENCE

NIL

EDUCATION

RV University, Banglore

2023-2027

 Bachelor of technology (B.Tech) in Computer Science and Engineering

CGPA 8.5

Deeksha Centre for Learning, Bangalore

2021 - 2023

Higher Secondary School (PUC) in Science

CGPA 9.5

PROJECTS

Customer Churn Prediction System

Developed a predictive system using 8 classical, deep, and quantum ML models to forecast customer churn from structured bank data.

Gym Logger App

Designed a SwiftUI iOS app to log workouts with support for weight units, calendar tracking, and entry editing.

Fire Detection & Extinguishing System

Engineered an AI+IoT solution with ML-based fire detection and a rotating water gun for autonomous firefighting.

Text Summarizer using Pegasus

Built a summarization tool using Hugging Face's Pegasus transformer model to condense large text inputs effectively.

Churn Prediction using ML DL

Implemented a hybrid model using PennyLane and Random Forest to enhance churn prediction via quantum circuits.

Tic Tac Toe Game

Developed a console-based two-player Tic Tac Toe game using Java with object-oriented principles.

Educational Website

Developed a website using HTML, CSS, Javascript

SKILLS

Programming Languages:

Python, Java, HTML, CSS, JavaScript, SQL, Swift (basic for iOS app development), Ladder Logic (PLC Programming), java

Machine Learning & AI:

Scikit-learn, XGBoost, LightGBM, CatBoost, Random Forest

Deep Learning:

PyTorch, TabNet, SAINT, NODE, TabTransformer

Transformers (Hugging Face, Pegasus)

NLP (Text Summarization, Resume Parsing)

Quantum Machine Learning:

PennyLane, VQC models

Tools & Frameworks:

Flask (Backend Web Development)

Git/Github(Version Control)

Streamlit (Frontend for Data Apps)
UTM (Virtualization on Mac)
Docker (Deployment)
ROS2 Humble (Robotics middleware)

Web Development:

Flask-based web apps
Frontend design using HTML, CSS, JS

User authentication and database integration
REST API development

LANGUAGES

English, Kannada