ROSHINI G

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CAREER OBJECTIVE

Experienced in data analysis, machine learning, and frontend development honed at Coats, I excel in leveraging data to derive actionable insights, building robust and scalable systems, and creating intuitive user interfaces. My skills enable seamless integration of backend functionalities and drive innovative solutions in full-stack development.

EDUCATION

Kongu Engineering College
B. Tech Artificial Intelligence and Machine Learning
2022 – 2026
CGPA: 8.81 (till 3rd semester)

Ramakrishna Mission Martic Higher Secondary School, Villupuram
10th grade: 2018 – 2019: 73.2%
12th grade: 2020 – 2021: 91.8%

PROGRAMMING SKILLS

- Java
- HTML, CSS
- Bootstrap
- Python
- JavaScript

FRAMEWORKS

- Microsoft Power BI
- Node.js
- React
- MySQL
- MongoDB

ACHIEVEMENTS

- Finalist, Ideathon 2023, KEC Entrepreneurship Cell, Feb 2023
- Winner, Paper Presentation, KEC
- Winner, Project Presentation, KEC – Dress up with AI – PunchBiz, Salem

LEADERSHIP

- AI Association, Kongu Engineering College: Joint Secretary, Sep 2023 – Apr 2024
- IEF, Kongu Engineering College: Student Coordinator TBI, Sep 2023 – Present
- Ravi Varma Creative Club, Kongu Engineering College: Executive Member, Sep 2023 – Apr 2024

PROFESSIONAL EXPERIENCE

Machine Learning Engineer Intern
InterPe
April 2024 – May 2024

- Executed four mini projects, gaining expertise in data preprocessing, feature selection, and model evaluation.
- Applied advanced regression and classification algorithms, achieving a top three placement in the Coats-Care competition, now at the international level.

MODULES

- **Diabetes Prediction:** Developed a predictive model to assess diabetes risk using clinical data.
- **Car Price Prediction:** Created a regression model to forecast vehicle prices.
- **IPL Outcome Prediction:** Built a classification model to predict IPL match results.
- **Breast Cancer Detection:** Designed a predictive model using medical imaging data.

PROJECTS

KEY PROJECTS:

- **Spotify Clone:** Developed a ReactJS-based music streaming application featuring real-time playback, dynamic playlists, and advanced search. **View Code**
- **Weather Forecasting System:** Engineered a forecasting system employing classification, regression, and time series models for precise weather predictions. **View Code**
- **AI-Powered Dress Up:** Created an AI application for virtual dress fitting, utilizing image segmentation and style transfer to overlay clothing on user photos. **View Code**

OWN INTEREST

- **Todo List Application:** Implemented a ReactJS application with state management via hooks and persistent data storage.
- **Deep Learning Predictions:** Developed neural network models for blood group prediction and gender classification.
- **Web Data Aggregator:** Engineered a scraper to extract and compile data on the top 1000 companies from web sources.