Sugendran Pranavan

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PROJECTS

Smart Interview Support System for Startups (Third-Year Group Project)

Objective: Developed an AI-driven system to assist startups in evaluating candidates through semantic analysis-based resume analysis and intelligent question recommendations.

Functionality:
- Analyzes resumes to assess skills, personality traits, and interpersonal abilities.
- Generates data-driven interview questions tailored to candidate profiles.
- Reduces bias in recruitment through structured evaluation techniques.

Tech Stack: NLP, Machine Learning (BERT, LLMs), Python, Web Technologies

Outcome: Successfully built a web-based interface with AI models integrated, enhancing interview efficiency and candidate evaluation processes.

Neural Network for Tree Species Classification in University Garden (Mini Project)

Purpose: Developed a neural network model to classify three visually similar tree species.

Process: Data collection, dataset preparation, neural network development, and hyperparameter tuning.

Tech Stack: Python, Neural Networks.

Outcome: Achieved 80% accuracy through feature engineering and model optimization.

EDUCATION

Rajarata University of Sri Lanka   **June 2021 - April 2025**
Bachelor of Science in Information Technology [BSc in IT]   **Mihintale, Sri Lanka**

- **Coursework** : Mathematics and Statistics for Computing, Database system, web technologies, Graphics and Image Processing(Python), Communication Skills, Introduction to Intelligent Systems(AI), Mobile Application Development.

- **Research** : Developed a fuzzy logic-based model to evaluate interpersonal skills from structured summaries of resumes, integrating quantitative analysis, skill categorization, and weighted aggregation.

Secondary Education   **2010 - 2018**
Jaffna Hindu College   **A/L 2019 : Physical Science Stream - B2C**

LEADERSHIP & EXTRACURRICULAR ACTIVITIES

Vice Secretary, English Club of Jaffna Hindu College   **2017**

- Coordinated club activities and managed the Annual English Day event.

TECHNICALSKILLS

- **Programming Languages:** Python, HTML, CSS, SQL (MySQL)
- **Databases:** MySQL (Experience in designing and managing relational databases)
- **Tools & Platforms:** GitHub (Version Control)
- **AI & Machine Learning:** Neural Networks

SOFT SKILLS

- Communication
- Collaboration
- Adaptability
- Desire to learn
- Time Management
- Critical Thinking

LANGUAGES

- English
- Tamil

REFERENCES

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