DINESH M

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OBJECTIVE

Highly motivated and results-oriented Information Technology student seeking a challenging position where I can leverage my strong technical skills in Python, SQL, Machine Learning, and project experience in network anomaly detection, smart automation, and adaptive systems. I am eager to contribute to the organization's growth and gain valuable industry experience.

EDUCATION

B. Tech Information Technology, Sri Ramakrishna Institute of Technology, Coimbatore   2020 - 2024
8.481 CGPA

Senior Secondary (XII), Science, Stanes Anglo Indian higher secondary school, Coonoor   2019 - 2020
73.2 Percent

Secondary (X), Mrs. Bullmore's Matriculation School, Coonoor   2017 - 2018
78.6 Percent

SKILLS

Technical Skills	Python, SQL, HTML, CSS, Machine Learning, Git
Soft Skills	Communication, Effective Planning, Documentation, Teamwork, Decision-making, Adaptability
Tools	VS code, PyCharm, Anaconda, GitHub, Figma

PERSONAL PROJECTS

Network anomaly detection using borderline smote algorithm and support vector machines   2023 - Present

- Developed an anomaly detection system utilizing the Borderline SMOTE algorithm and support vector machines to address the challenge of imbalanced datasets.
- Implemented machine learning techniques in Python along with MySQL for data storage and analysis.
- Achieved an impressive accuracy of 92.36.

Smart and Weather Adaptive Street Lights   Jan 2023 - Mar 2023

- Designed and implemented a smart street light system incorporating IoT technology and weather sensors.
- Successfully reduced energy consumption by integrating LDR sensors for light intensity detection and IR sensors for motion detection.

Adaptive Cruise Control using Arduino   Jul 2021 - Oct 2021

- Engineered an Arduino-based adaptive cruise control system to enhance vehicle safety.
- Utilized ultrasonic sensors for real-time distance measurement and automatic speed adjustments, effectively preventing collisions.

CERTIFICATES

- Cloud computing - NPTEL   Jul 2022 - Oct 2022
  Completed a 12-week Cloud Computing course conducted by IIT Kharagpur through NPTEL, achieving a score of 64 Percent.

- Business English Certificate Preliminary   Oct -2022
  Secured a B1 level score in the Cambridge English Business English Certificate Preliminary.

- Coursera
  Completed courses on Python, Introduction to Relational Databases (RDBMS), and SQL: A Practical Intro-
  duction for Querying Databases authorized by Google and IBM respectively via Coursera.

ACHIEVEMENTS

- Hackathon Battle Code Campus Clash   Jul 2023 - Jul 2023
  Won first prize in the Battle Code Campus Clash hackathon organized by "Survey Sparrow" for the development
  of a Voice-Enabled Multilingual Survey System, receiving a cash prize of Rs. 50,000.

- Project Expo   Mar 2023 - Mar 2023
  Secured the first prize in the project expo at Rathinam Technical Campus for the project titled "Smart and
  Weather Adaptive Street Lights", earning a cash prize of Rs. 1000.

- International Virtual Expo of Innovation Product and System Design (IN-VIDE 2021)
  Secured Bronze Award for the project "Adaptive Cruise Control for Intelligent Vehicular Flow Using Arduino"
  Exhibited at the International Virtual Expo of Innovation Product and System Design (IN-VIDE 2021).

EXTRA-CURRICULAR ACTIVITIES

Accenture North America Data Analytics and Visualization Job Simulation on Forage   Mar 2024

- Completed a simulation focused on advising a hypothetical social media client as a Data Analyst at Accenture.

- Cleaned, modeled and analyzed 7 datasets to uncover insights into content trends to inform strategic decisions.

- Prepared a PowerPoint deck and video presentation to communicate key insights for the client and internal
  stakeholders.

Conducted an Intra-department Codeathon Completion "Nerds battle" In Hacker rank platform.

LANGUAGES

- English
  Full Professional proficiency

- Tamil
  Native or Bilingual proficiency