REDDY SAI KUNDAN

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Computer Science Engineering, Vellore Institute of Technology, VELLORE	8.26	2023
BIEAP (XII) (XII)	FIITJEE Junior college	100	2019
BSEAP (X) (X)	Dr. K.K.R's Gowtham (E.M.) High School	97.00	2017

SKILLS

- **Programming Languages:** Java, SQL, Pl/Sql , Html & CSS, Javascript, Python
- **Libraries and frameworks**: Spring MVC, SpringBoot, Hibernet and JPA, RESTfull API's,pandas,numpy,nltk
- **Course Works**: J2EE,Data Structures, DataBase Management, Machine Learning, Natural Language Processing, AWS,Operating Systems, SDLC, Cryptography Fundamentals, Computer Networks and Secuirty

INTERNSHIP/TRAINING

Software Engineer | ToE Networks Pvt Ltd.   *March 2023-May 2023*
- Developed scripting, connectors, and APIs for process automation and websites during internship.
- Configured websites using HTML and JavaScript, showcasing proficiency in website customization.
- Led the creation of high-level and low-level designs for system architecture, demonstrating a comprehensive understanding of system development.
- Spearheaded a project implementing Natural Language Processing and Machine Learning algorithms (Support Vector Machines, Naive Bayes).
- Utilized third-party libraries to efficiently implement modules, enhancing project effectiveness and Led a successful project converting textual data into Entity-Relationship (ER) diagrams, streamlining data analysis processes.

PROJECTS

Secure System to Store Crime Data   *Oct-2021*
- **Identified** the challenge of ensuring data security for sensitive crime records during transfers between government organizations.
- **Implementing** Hybrid Cryptography using **RSA** and **DES** algorithms for encryption, ensuring a balance between efficiency (DES) and robust security (RSA). Attaining heightened data confidentiality and integrity, bolstering protection against breaches during transfer.
  Exposure: Java, RSA and DES algorithms, Cryptography techniques, VS Code.

Smart Light Traffic System   *March-2022*
- **Recognized** the prevalence of traffic issues in our country, impacting transportation and causing congestion.
- **Implementing** a Smart Light Traffic System using Matlab, involving **image enhancement techniques** (Canny edge detection, resizing, scaling), project coordination, and dataset curation for testing.
- **Striving** to enhance traffic flow via the Smart Light Traffic System by implementing image enhancements for efficient management and validating components through successful testing.
  Exposure: Matlab, Image processing and enhancement techniques, Problem-solving.

Converting Text Into an ER-Diagram   *March-2023*
- **Recognized** the complexity and potential errors in manually creating Entity-Relationship (E-R) diagrams for databases, and acknowledging the challenge of deriving E-R models from system specifications along with the expertise required.
- **Implementing** an automated method for generating E-R diagrams by leveraging ML algorithms (**Naive Bayes**) and **NLP** techniques (NLTK, lemmatization, POS tags.), utilizing the extracted entities, properties, and relationships from text.
- **Aiming** to streamline and expedite the creation of E-R diagrams by automating the process and enabling non-technical personnel in small businesses to independently generate accurate E-R diagrams.
  Exposure: Python, NLP and ML techniques, nltk, numpy, pandas, JSON array, graphviz tool, jupyter notebook.

CERTIFICATIONS/ACHIEVEMENTS

- AWS Cloud Technicial Essentials**, Coursera, Amazon Web Services**
- Certification in SQL Basic and Intermediate**, HackerRank**
- Certification in Java, Javascript, and CSS **, HackerRank**
- Java and Spring Framework for Beginners with Spring Boot, **Udemy**
- The Complete PostgresSql, PL/SQL, Oracle Bootcamp, **Udemy**
- FullStack Java developer-Java+JSP+Spring+Restful+JS, **Udemy**
- Master Hibernate and JPA with SpringBoot, **Udemy**

EXTRA-CURRICULAR ACTIVITIES

- Lead of Art and Skills photography at VIT
- Member In IEEE TEMS VIT

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