KAVINAYA RAMESHKUMAR BHUVANA

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Motivated and detail-oriented Computer Science graduate student with a strong foundation in software development, algorithms, and data structures. Proficient in multiple programming languages including Python, Java, and C++, with hands-on experience in developing web applications and working with machine learning models. Seeking an internship opportunity to apply technical skills, collaborate with experienced professionals, and contribute to innovative projects in the field of software engineering and technology

EDUCATION

- **UNIVERSITY NAME** University of Massachusetts , Dartmouth

DEGREE Masters in Computer Science(CIS)

- **UNIVERSITY NAME** Panimalar Engineering College, Chennai,India

DEGREE BE (Computer Science) , CGPA: 8.98

TECHNICAL EXPERTISE

Programming language- C/C++, Python, HTML, SQL, CSS, JAVA

PROJECT WORK

Metar Data Forecasting using Facebook , Mini Project (JAN,2023 – APRIL,2023)

"METAR Data Forecasting using Facebook" involves utilizing METAR (Meteorological Aerodrome Reports) data, which provides essential real-time weather observations for aviation, and leveraging Facebook's robust machine learning tools and algorithms to enhance weather forecasting accuracy. This approach integrates METAR data, such as temperature, wind speed, visibility, and cloud cover, with Facebook's advanced AI and data processing capabilities to build predictive models. By applying Facebook's machine learning frameworks (such as Prophet, a forecasting tool for time-series data), this method can identify patterns and trends in METAR data, enabling more precise and timely weather predictions for aviation safety, resource planning, and operational efficiency. This fusion of aviation meteorology and AI aims to improve decision-making and preparedness for various weather-related scenarios.

Signature-based Public Delicate Information Sharing for Distributed Storage , Final year project (JAN,2024 – APRIL, 2024)

"Signature-based Public Delicate Information Sharing for Distributed Storage" refers to a secure method for sharing sensitive data across distributed storage systems while ensuring data integrity and access control. This approach uses digital signatures as a core mechanism to authenticate and verify the identity of users, ensuring only authorized parties can access or modify the

information. By leveraging cryptographic signatures, data owners can securely share delicate information publicly without risking unauthorized alterations or breaches. This method supports distributed storage infrastructures like cloud environments, where data is split and stored across various nodes. The use of signature-based techniques enhances the security framework, maintaining confidentiality, integrity, and verifiability of the shared data while optimizing for scalability and accessibility in distributed systems.

ADDITIONAL COURSES

Advanced Diploma in C,C++ (CSC institute)

Data Visualization(Udemy)

WORKSHOP

Attended workshop on “Introduction to Python” organized by IIT MADRAS, Chennai at shaastra2023 on26th-29th January 2023.

INTERNSHIP

SUNOIDA | Velachery, Chennai

The SQL Developer Internship at Sunoida offers an exciting opportunity to work closely with experienced database professionals and gain hands-on experience in SQL development and database management. As an intern, I will assist in writing, optimizing, and troubleshooting SQL queries, managing databases, and contributing to data-driven projects that support Sunoida's operations. I worked on real-world tasks involving data extraction, transformation, and loading (ETL) processes, and enhance database performance to meet business requirements. This role provides a valuable learning environment to sharpen SQL skills, understand database architecture, and apply analytical skills in a dynamic company setting, helping me build a strong foundation for a career in database development and management.

CERTIFICATE

- PROJECT EXPO – 2023(Panimalar engineering college)
- AWS Cloud computing
- Codechef -JAVA
- Moe’s innovation cell
- DV Udemy
- Project Contest - PEC

SKILLS

- Problem solving

- Software Development
- Cloud Computing
- Security
- Teamwork & Collaboration
- Communication
- Creativity
- Algorithms and Data structures
- Time management
- Software Development Lifecycle
- Adaptability & Continous Learning

DECLARATION: I Solemnly confirm all the information provided above is true to the best of my knowledge.