AASHIF SHADIN K N

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EXECUTIVE SUMMARY

Aspiring Software Engineer with a solid foundation in Java, SQL, and Python, experienced in machine learning, debugging, and database management. Proficient in Object-Oriented Design, Data Structures, and Algorithms with strong skills in complexity analysis, problem solving, and technical communication. Demonstrates capability in model development, data processing, and evaluation with an interest in scalable, fault-tolerant, and distributed systems. Eager to contribute to AI, ML, and DS projects using agile development practices.

EDUCATION

Dr. Mahalingam College of Engineering and Technology, Pollachi – 642003   **2022 - 2026**

- Bachelor of Technology – Bachelor of Technology: Artificial Intelligence and Data Science   CGPA: **8.43**

SRV Matric Higher Secondary School – Coimbatore

- Secondary School Leaving Certificate (SSLC) – **2020**   Percent: **92.8**
- Higher Secondary Certificate (HSC) - **2022**   Percent: **86.5**

EXPERIENCE

CIBIE - MCET Campus, Pollachi   **June 2024 – July 2024**
Web Designing Intern

- The process involved learning the fundamentals of HTML, CSS, JavaScript and Database for web development.
- Concepts covered include responsive design principles, database design, and structuring for efficient storage and retrieval.

PROJECTS

I. FLOOD PREDICTION USING EXPLAINABLE AI (XAI)

- Developed a machine learning model for flood prediction using historical meteorological and environmental data.
- Incorporated Explainable AI techniques like SHAP and LIME to improve model transparency.
- Employed optimization methods to enhance prediction accuracy and linear programming strategies for parameter tuning.

II. AI-DRIVEN AGRICULTURAL COMMODITY PRICE PREDICTION

- Designed and implemented scalable systems for forecasting prices of agricultural commodities.
- Leveraged ARIMA and SARIMA models along with nonlinear optimization for improved forecasting accuracy.
- Focused on fault-tolerant system design, ensuring data consistency and reliable output delivery.

TECHNICAL SKILLS

- **Programming:** Java (Primary), Python, SQL, C/C++, HTML, CSS, JavaScript
- **Core Concepts:** Data Structures, Algorithms, Object-Oriented Design, Complexity Analysis
- **Tools:** Git, GitHub, Linux, MySQL
- **Frameworks:** Flask, Pandas, NumPy, Scikit Learn, Matplotlib, Seaborn
- **Domains:** Machine Learning, Software Design, Distributed Systems, Relational Databases
- **Data Science & Analytics**: Data Cleaning, Data Wrangling, Exploratory Data Analysis (EDA**)**
- **Techniques:** Linear Programming, Abstract Thinking, Agile Development
- **Soft Skills:** Adaptability, Problem-Solving, Critical Thinking, Teamwork & Collaboration, Time Management

CERTIFICATIONS

- **Cambridge University -** Linguaskill Certification (CEFR Level – B2)
- **Coursera -** Machine Learning for All by University of London
- **Udemy -** Python Course, Prompt Engineering, NumPy & Pandas, JavaScript
- **Forage –** Data Analytics Job Simulation by Accenture
- **Hacker Rank -** Java, Python, and SQL