R. MOHAMED ASEEL

Full Stack Developer – Entry Level

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SUMMARY

Entry-level Full Stack Developer with experience in building responsive web applications using HTML, CSS, JavaScript, Java, Python, and Flask. Hands-on experience in developing backend REST APIs, integrating SQL/MySQL databases, and implementing user authentication and CRUD operations. Worked on full-stack projects involving frontend UI development, backend logic, and database management. Familiar with Git, GitHub, debugging, and object-oriented programming concepts.

TECHNICAL SKILLS

Backend & Programming: Java, Python.

Frontend technologies: HTML5, CSS, JavaScript.

Backend Frameworks: Flask

Database technologies: MySQL, SQL, CRUD Operations.

Tools & Platforms: Git, GitHub, Jupyter Notebook, PyCharm, MySQL Workbench.

Core concepts: Object-Oriented Programming (OOP), Debugging, API Integration, Basic Authentication

INTERNSHIP

Full Stack Developer Intern (Course &Training-based)

- Developed and styled interactive web pages using HTML, CSS, Java, and JavaScript, integrating SQL/MySQL for dynamic data handling.
- Gained hands-on experience in developing responsive layouts and connecting front-end components with database systems.
- Practiced debugging, database queries, and basic version control using Git and GitHub.
- Strengthened understanding of full-stack concepts through project-based learning and practice

PROJECTS (Full Stack & Academic)

1. **Brain Tumor Cancer Prediction using Machine Learning | Link**

   - Developed an end-to-end web application for MRI image classification.
   - Implemented TensorFlow, Keras, and Convolutional Neural Networks (CNN) for image classification.
   - Utilized Python, NumPy, Matplotlib, and Jupyter Notebook for model development and visualization.

2. **Secure fileX: A Comprehensive File Security Application | Link**

   - Developed a secure file storage application using Python and Flask, with AES-256 encryption for data protection.
   - Integrated MySQL database and implemented user authentication using Flask-Login and SQL Alchemy.
   - Created responsive UI using HTML, CSS, and JavaScript, and configured Flask-Mail for secure notifications.

3. **Remaining Useful Life (RUL) Prediction for EV Batteries Using Machine Learning | Link**

   - Conducted data collection, preprocessing, and statistical analysis to estimate EV battery life expectancy.
   - Developed predictive models using XGBoost, Random Forest, LightGBM, and LSTM for accurate life estimation.
   - Designed interactive dashboards in Power BI for maintenance planning and decision support.

EDUCATION

1. Master of Computer Application (2025) - B.S. Abdur Rahman Cresent Institute of technology - Chennai.

2. Bachelor of Science (B.Sc.) in Computer Science (2023) - Scott Christian College – Nagercoil, Kanyakumari.