ALFIN ABRAHAM

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EDUCATION

Master of Science in Computer Science, with Data Science Specialization — Seattle, WA
Seattle University — *06/2024* (Expected)
GPA: 3.275
Electives: Machine Learning, Visual Analytics, AI

Bachelor of Technology - Computer Science and Engineering — *Indore (India)*
Medi-Caps University — *06/2022*
CGPA: 8.2

PROFESSIONAL EXPERIENCE

Undergraduate Research Intern — *Indore (India)*
Indian Institute of Technology, Indore — *01/2022 – 03/2022*

- Utilized Gaussian process regression to predict solar radiation, optimizing renewable energy management for improved efficiency.
- Analyzed data and fine-tuned the ML model as part of a 3-member research internship team.
- Achieved near-accurate solar radiation forecasting, facilitating scope for better integration of renewable energy into the power grid.
- Gained proficiency in Gaussian process regression while effectively communicating and adapting to collaborate with diverse team members.

Web Development Intern — *Indore (India)*
Starnovation Private Limited — *06/2021 – 08/2021*

- Created a Python-powered blood bank web app, linking donors with recipients, and streamlining donor search in critical situations.
- Contributed as a web development intern in a 4-member team to build a user-friendly platform facilitating blood transfusion connections.
- Implemented a streamlined request page, enhancing efficient communication between donors and recipients by facilitating detailed information sharing.
- Utilized Python, Django, HTML, CSS, JS, and SQLite, and applied Emotional Intelligence and conflict-resolution skills for seamless team collaboration and project development.

ACADEMIC PROJECTS

Stormtroopers-Space Explorer

- Designed an interactive C#, HTML, CSS, and JS website to engage children in solar system education, fostering curiosity and learning.
- Implemented Scrumban methodology for continuous deployment, efficient project management, and collaborative development.
- Utilized CRUD features to create a user-friendly interface and seamless information handling, enhancing the website's functionality.

Stroke-Prediction-Classification

- Applied Python for data preprocessing, visualization, and machine learning models.
- Developed and evaluated classification models using KNN, Decision Tree, and RF algorithms to predict stroke likelihood based on medical information.
- Identified crucial features (gender, age, diseases, smoking) for accurate predictions, ultimately determining KNN as the optimal algorithm for the problem statement.

SKILLS

- Python, HTML5, CSS, SQL
- Data visualization, Machine learning, DSA
- Visual Studio Code, Tableau, MySQL Workbench, Google Colab
- Communication, Adaptability, Leadership, Emotional Intelligence, Conflict Resolution