Shahbaz Aman O

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SKILLS

- **Languages**: C++, C#, JavaScript (ES6+), Python
- **Frameworks**: React.js, Node.js, Express.js, HTML5, CSS, Bootstrap, Tailwind, TensorFlow, Scikit-Learn, OpenCV
- **Database**: MongoDB, MySQL
- **Tools/Platform**: Git, GitHub, Azure, Google Colab, Postman, Excel
- **Soft Skills**: Problem-Solving Skills, Team Player, Project Management, Adaptability, Flexibility

PROJECTS

- **Education Website with AI API Integration |** *React, Context API, Node.js*
  April 2025
- Designed and developed a responsive education platform using React, OpenAI API
- Implemented user-friendly ai chatbot and Question Generator.
- Includes authentication, dashboard, and automated feedback generation.

- **Plant Disease Analysis** | *python*   February 2024
- Gather plant images, label them, and preprocess (resize, normalize)

- Design a CNN architecture with layers for feature extraction.

- Train the CNN model using labeled images, applying an appropriate activation function ReLU.

- Use the trained model to predict plant diseases and evaluate accuracy.

- **Churn Customer Prediction |** *python*   August 2022
- Gather customer data, handle missing values, and normalize features.
- Build a decision tree model to classify churn vs non-churn.
- Model training and Deployment to production environment for real-time prediction.

- **Snake Game** | *HTML, CSS, JavaScript*   February 2022
- featuring responsive design, dynamic gameplay, score tracking, and collision detection
- Created HTML, CSS, Java and Java script pages for user interaction
- Ensured the game adjusts smoothly to different screen sizes.

SUMMER TRAINING

- **Machine Learning and AI | IBM**   July 2023

- Acquired practical experience in designing, deploying, and optimizing machine learning models for various applications.
- Handled and preprocessed large datasets exceeding 10,000 entries, enhancing model performance by 18 % through feature selection and tuning.
- Implemented and evaluated supervised and unsupervised learning algorithms, attaining an accuracy of 87 % on validation datasets.
- Leveraged Python libraries like NumPy, Scikit-learn, and TensorFlow to develop data-driven solutions and visualize key insights.

CERTIFICATES

- Mastering AI development | AI CERTs — March 2025
- Artificial intelligence foundation for employability program Certification | Infosys and ICT Academy — November 2024
- Artificial intelligence | IBM — July 2023
- SQL for Data Science provided | Great Learning Academy — September 2022
- Data structures | UC San Diego and Coursera — November 2019

ACHIEVEMENTS

- **Solved 50+ questions on Leet Code** — June 2023 -present
- **4-star rating in C++ on Hacker Rank** — Feb 2021 -present
- **Science boy of the year (SBOY)**: — June 2017-18
  Secured 1st position in the competition which showcased scientific and technical knowledge

EDUCATION

- **Lovely Professional University** — Punjab, India
  Bachelor of Technology - Computer Science and Engineering; ***CGPA: 7.1*** — *Since August 2021*

- **EMEA HSS** — Kondotty, Kerala
  Intermediate; ***Percentage: 95.48%*** — *April 2019 - March 2021*

- **GVHSS** — Kondotty, Kerala
  Matriculation; ***Percentage: 98.00%*** — *April 2018 - March 2019*