AIMAN KULAY

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EDUCATION

Boston Institute of Analytics — April 2025
Certification in Data Science & AI — **Batch Topper**

Rizvi College of Engineering — May 2025
B.E. in Artificial Intelligence & Data Science — **CGPI: 8.57**

R.D. & S.H. National College — May 2021
HSC in Computer Science — **94.15%**

Bhavans A.H. Wadia High School — July 2019
Secondary School Education — **86.80%**

SKILLS

- **Designing:** Photoshop, Illustrator, Figma, Framer
- **Frontend:** HTML, CSS, JS, TypeScript, Next.js, Tailwind CSS, Bootstrap
- **Programming:** C, C++, Python
- **Tools:** Power BI, Tableau, Git, GitHub, Jupyter, Spyder, PyCharm, Excel, PowerPoint, Supabase
- **Libraries:** Pandas, NumPy, Matplotlib, Plotly, Pytorch, TensorFlow, Keras, Seaborn
- **AI:** Machine Learning, Deep Learning, NLP

WORK EXPERIENCE

CALANJIYAM CONSULTANCIES AND TECHNOLOGIES — Jul 2024 – May 2025
Junior Associate Developer

- Spearheaded the design and development of user-centric, visually striking interfaces and headed the UI/UX Department for multiple client projects, ensuring design consistency, usability, and client satisfaction.
- Crafted engaging, intuitive interfaces for dashboards, profile pages, inventory pages, and more, ensuring seamless delivery of key information without overwhelming users.
- Led a team of 4–6 junior developers, conducted knowledge transfer sessions, improving intern onboarding and team efficiency.
- Contributed to backend development, showcasing adaptability and technical expertise.
- Delivered designs that directly attracted new clients, significantly boosting the company's reputation.

PROJECTS

DIGITAL MARKETING CONVERSION PREDICTION SYSTEM

- Developed a high-precision deep learning model to predict digital marketing campaign conversions, tackling highly imbalanced datasets with over 20+ features and near non-linear correlations.
- Engineered advanced data balancing techniques to counteract severely imbalanced classes, ensuring bias-variance tradeoff optimization for maximum generalization.
- Integrated multiple machine learning algorithms and deep learning architectures to achieve an impressive score on various metrics without sacrificing fairness or overfitting.
- Built an interactive Tableau dashboard to visualize key insights and performance metrics, enabling data-driven decision-making for marketing strategies.

BRAND CLASSIFICATION USING DEEP LEARNING (CNN)

- Developed a deep learning-based CNN model to classify images of shoes into two brands: Adidas and Nike.
- Experimented with multiple pretrained architectures including VGG16, MobileNet, and ResNet
- Optimized model performance through hyperparameter tuning, achieving high classification accuracy.
- Gained hands-on experience in convolutional neural networks (CNNs) and deep learning techniques, enhancing understanding of feature extraction and neural network optimization.

LEVEL-WISE RETRIEVAL-AUGMENTED GENERATION (RAG) SYSTEM

- Developed a Retrieval-Augmented Generation (RAG) model using Llama and FAISS as the vector database, enabling natural language interaction with PDFs.
- Designed the system to allow users to ask questions in plain language, retrieving and generating responses based on PDF content.
- Built a level-wise access control mechanism, ensuring information is accessible only to authorized personnel in environments like corporates, colleges, and enterprises.
- Optimized the model for efficient data retrieval and contextual response generation, making information access seamless for users with the required clearance.

CAR PRICE PREDICTION USING MACHINE LEARNING

- Built a regression-based machine learning model for car price prediction, leveraging a dataset with over 26 features.
- Implemented multiple machine learning algorithms, optimizing performance through feature engineering and outlier detection.
- Gained hands-on expertise in error evaluation metrics such as Mean Squared Error (MSE), Mean Absolute Error (MAE), and others to assess model performance.
- Developed a highly efficient and accurate model capable of predicting car prices with precision.

PERSONAL PORTFOLIO WEBSITE | Link

- Designed and developed a minimal yet visually striking portfolio website using Next.js, React.js, Tailwind CSS, HTML, and CSS which is responsive and dynamic.
- Incorporated modern UI/UX principles to create an interactive, informative, and engaging experience.
- Focused on a clean, approachable, and attention-grabbing design while ensuring seamless navigation and responsiveness.
- Strengthened expertise in Next.js and frontend development, optimizing performance and accessibility for an enhanced user experience.

WEWASH CLIENT WEBSITE (Ongoing)

- Currently designing and developing a website for a premium laundry and home-cleaning service based in Mumbai.
- Collaborating closely with the client to translate their brand identity into a clean, elegant, and intuitive user experience.
- Leading the UI/UX process using Figma to craft a seamless design that prioritizes user comfort, trust, and service clarity.
- Building the site using a modern tech stack like Next.js, React.js, Tailwind CSS, Typescript for scalability, maintainability, and dynamic content integration.
- Implementing a mobile-first approach, ensuring optimized layouts and performance across all devices.
- Added LLM based Chatbot for better Customer Experience making the website smart.

GENICWAVE CLIENT WEBSITE | Link

- Engineered and styled a complete website from ground up, aligning with the client's vision for a corporate yet fun and approachable aesthetic.
- Balanced professionalism with engaging visuals to create a simple, minimal, and user-friendly interface that captivates visitors.
- Enhanced brand credibility by crafting a polished and cohesive web presence that helped the company attract international clients and expand its business reach.
- Implemented a modern, scalable tech stack using React, Tailwind CSS, and TypeScript, ensuring efficiency, maintainability, and a smooth user experience.
- Designed intuitive UI/UX elements to ensure effortless navigation and clarity, making complex AI solutions accessible and engaging for users.
- Optimized performance and responsiveness across all devices to provide a seamless, high-quality browsing experience.