

About Ahmed

Ahmed is an R Shiny expert with a scientific background and over five years of experience in data analytics and production ready web apps development. He helps his clients design and build custom data tools, ensuring they are scalable, user-friendly, and optimized for decision-making. His expertise covers UI/UX optimization, ETL processes, performance tuning, and deployment, allowing him to deliver end-to-end R solutions, from development to secure and efficient hosting.

Highlighted Success Stories



Fortune 100
Big Pharma
Company

Capacity Planning

 [Client Testimonial](#) 

Achievement: built a clinical capacity planning tool for a major pharmaceutical company, replacing manual Excel workflows with a robust R Shiny app. It offers a holistic view of the clinical pipeline — from monoclonals to gene therapies — linked to real-time capacity across manufacturing sites.

Impact: With scenario simulations and probabilistic modeling, the tool supports decision-making from clinical planners to vice presidents. It adds visibility, reproducibility, and strategic clarity to a process once driven by isolated inputs.

Outcome: Delivered ahead of internal expectations, the app is now expanding across the organization. Site leaders use it to adjust clinical capacity dynamically. Feedback has been excellent, making it a key asset in the company's digital planning ecosystem.

CONFIDENTIAL



Mathematica
Progress Together

AGRA Dashboard

 [Client Testimonial](#) 

Achievement: Collaborated with [Mathematica](#) to design and develop an R Shiny web app featuring a fully auto-generative UI, dynamically controlled via a live Excel spreadsheet for their client AGRA. This approach significantly reduced iteration time and provided Agra with a near no-code interface for seamless customization of their dashboard components.

Live Interface: [Link](#)



CGIAR

iCLEANED

 [Client Testimonial](#) 

Achievement: Migration, redesign, and deployment of an R Shiny application for CGIAR and the Alliance of Bioversity-CIAT. The tool enables simulation of livestock scenarios and assessment of environmental impacts (GHG, water, nitrogen, land use), with guided input and interactive result comparison.

Adoption: Thanks to an intuitive, responsive, and well-documented interface, the platform saw strong adoption by field teams, supporting scenario sharing and collaborative work across scientific users.

Dashboard Walkthrough: [Link](#)

Live Interface: [Link](#)



Sales Pulse

Sales Pulse

 [Client Testimonial](#) 

Achievement: UI/UX Improvement. Authentication implementation with user data management. Industrialization for enterprise scale, driving user trust and engagement for large-scale adoption.

Initial State: [link 1](#), [link 2](#), [link 3](#)

Delivered Solution: [link 1](#), [link 2](#), [link 3](#)

Detailed Case Study: [link](#)



MERCATOR
OCEAN
INTERNATIONAL

Technical Mentorship

 [Client Testimonial](#) 

Mentored a senior researcher in building a high-performance map visualization workflow for oceanographic data. Provided guidance on comparing raster vs. vector tiles, optimizing preprocessing steps, and prototyping a lightweight tile-server-based interface. Emphasis was placed on performance, clarity, and long-term autonomy through methodological coaching.



UNIVERSITY OF OXFORD

Green Transition Navigator

 [Client Testimonial](#) 

Achievement: UI/UX improvements, AWS Shiny Server maintenance and upgrade, and implementation of a new data processing pipeline.

LEVERAGE HIS EXPERTISE TO BUILD
ENTERPRISE-LEVEL GRADE
ANALYTICAL TOOLS



Results That Matter

- Custom R Shiny Tools for automating workflows and business processes.
- Interactive Dashboards with a visually appealing UI and intuitive UX.
- Optimized R processes and ETL pipelines for scalability and efficiency.
- Secure R Shiny Hosting ensuring reliability, performance, and compliance.