

ARIF MOHAMMAD

Frontend Developer · Full-Stack Engineer

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PROFESSIONAL SUMMARY

Frontend Developer & Full-Stack Engineer - React, React Native, Node.js, GSAP. MSc Data Science, Burgundy School of Business (France). I ship real products end-to-end: a deployed iOS translation app, a commissioned React portfolio site, and a vanilla JS personal portfolio with custom canvas animation. Comfortable taking a product from design to deployment across frontend, backend, and cloud API integration.

TECHNICAL SKILLS

React.js · React Native · Expo · JavaScript (ES6+) · TypeScript · Vite · GSAP · SVG Animation · Canvas API · HTML5 · CSS3 · Responsive Design · Node.js · Express · REST APIs · Python · SQL · Git · GitHub · Netlify · Railway · CI/CD · Google Cloud · Azure · ElevenLabs API · Power BI · Tableau · R Shiny

SKILLS

Frontend

React.js · React Native / Expo · JavaScript (ES6+) · GSAP · SVG Animation · Canvas API · HTML5 · CSS3 · Vite · Responsive Design · Component Architecture · Data Visualisation - Power BI, Tableau, R Shiny, ggplot2

Backend & Tools

Node.js / Express · REST APIs · Railway · Google Cloud (STT, TTS, Translate) · ElevenLabs API · Python · SQL · GitHub · Netlify · CI/CD · English (C2) · French (A2+) · Hindi / Telugu (C2)

PORTFOLIO PROJECTS

Vinandi - Real-Time Multilingual Translation App [React Native](#) · [Expo](#) · [Node.js](#) · [Google Cloud](#) · [ElevenLabs](#) · [Railway](#)

- Designed, built, and deployed a full-stack mobile translation app end-to-end: React Native/Expo frontend with a Node.js/Express backend deployed on Railway - confirmed working on iOS.
- Engineered a complete audio pipeline: microphone recording (LINEAR16, 16 kHz, .wav) → Google Cloud Speech-to-Text → Google Translate → Google Cloud TTS, with ElevenLabs integrated as TTS fallback for Farsi (fa-IR) where Google Cloud has no native support.
- Handled base64 audio encoding, multi-API orchestration, error handling, and TTS playback - fully production deployed with no tutorials or boilerplate.

Frontend Work - Animated Web Experiences

[React 19](#) · [Vite](#) · [GSAP](#) · [Vanilla JS](#) · [Canvas API](#) · [SVG](#) · [Netlify](#)

- Built Maqami Maram, a single-page React portfolio for visual artist Sheyda Maqami Maram: hand-drawn SVG opening animation (Illustrator pen tool + SVGator), GSAP scroll interactions, modular component architecture, fully responsive. Sole developer - collaborative project, web build in exchange for graphic design and brand work.
- Built a personal portfolio site from scratch in vanilla HTML/CSS/JS - animated hexagonal canvas tessellation with mouse-influenced motion, IntersectionObserver-based scroll reveals, responsive grid layout. Deliberately framework-free for performance and to demonstrate fundamentals.
- Both deployed via GitHub → Netlify CI/CD pipeline.

Friends TV Show - Data Product & Interactive Dashboard [Python](#) · [R](#) · [Web Scraping](#) · [NLP](#) · [HuggingFace](#) · [Power BI](#)

- Built the full data product layer: starting from team R analysis outputs, extended into a Python pipeline cleaning 54,008 dialogue lines and applying dual NLP enrichment (VADER + HuggingFace DistilRoBERTa) to produce six structured data outputs.
- Delivered a multi-page interactive Power BI dashboard with custom DAX measures, character-coded colour palette, and dark theme - taking data from raw source to polished, shareable product.

Olympics Historical Dashboard

[Power BI](#) · [DAX](#) · [Power Query](#)

- Built an interactive data visualisation product over 250,000+ athlete records spanning 120+ years, with country-level drill-downs, trend analysis, and DAX-calculated KPIs - designed for non-technical end users.

Moneyball - Sabermetric Analysis (R)

[R](#) · [R Markdown](#) · [tidyverse](#) · [Lahman](#) · [ggplot2](#)

- R Markdown analysis of the 2001-2002 Oakland Athletics using the Lahman MLB statistics package: Pythagorean Expectation, three Runs Created formulas, ggplot2 visualisations, styled kableExtra tables. Self-contained HTML report demonstrating R analytics breadth beyond the standard JavaScript ecosystem.

WORK EXPERIENCE

Business Analyst · Magnus Infraprojects

Oct 2022 – Jun 2023 | Hyderabad, India

- Identified process inefficiencies through structured data analysis and stakeholder interviews, contributing to a 15% improvement in operational efficiency and informing cross-functional KPI reporting.
- Produced data-backed research and market analysis reports to support strategic decisions at senior level - translating business requirements into actionable insights.

Senior Seller Support Associate · Amazon

Oct 2018 – Jun 2021 | Hyderabad, India

- Audited seller account data across listings, inventory, pricing, FBA reimbursement claims, and financial reconciliation (payments, chargebacks, fees) - using Excel, pivot tables, and VLOOKUP analysis to surface errors and irregularities.
- Resolved cases that helped sellers reconcile account errors and improve inventory management; supported onboarding of new team members on ticket workflows and internal tools.
- Top Q1 performer for 3 consecutive years - average case resolution under 13 minutes across 40+ daily tickets.

EDUCATION

Programme Grande École · Burgundy School of Business

Sep 2021 – May 2024 | Dijon, France

MSc Data Science & Organisational Behaviour · MSc Management (Dual Degree)

Bachelor of Engineering - Electronics & Communication · BIT Mesra

Jan 2013 – May 2017 | Ranchi, India

IEEE publication: Selection of Dominant Voice Features for Accurate Detection of Parkinson's Disease - ICBSII 2017.

CERTIFICATIONS

- Celonis Process Mining Fundamentals
- Alteryx Designer Core Certification
- Microsoft Azure Fundamentals (AZ-900)
- Bloomberg Market Concepts