

SHAIK RIYAZ BASHA

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PROFESSIONAL SUMMARY

Full-stack developer with production experience building scalable web applications using React, Node.js, and microservices architecture. Specialized in real-time systems, API integration, and machine learning deployment. Proven ability to design end-to-end workflows from data ingestion to user-facing features.

TECHNICAL SKILLS

Languages: JavaScript, TypeScript, Python, SQL
Frontend: React, Next.js, Tailwind CSS, WebSocket
Backend: Node.js, Express.js, REST APIs, Microservices, RabbitMQ, Redis
Databases: MongoDB, MySQL, Redis (caching & rate-limiting)
ML/Data: Scikit-Learn, TensorFlow, Pandas, NumPy, Random Forest
DevOps & Tools: Git, GitHub, Postman, ImageKit CDN

PROJECTS

REAL-TIME CHAT APPLICATION (MICROSERVICES ARCHITECTURE)

Dec 2025 – Jan 2026

- Architected event-driven microservices system with separate chat, user authentication, and OTP email services using Node.js, Express, RabbitMQ for async processing, and Redis for rate-limiting and session storage
- Engineered WebSocket-based real-time messaging with idempotent message delivery, automatic retry logic, and dead-letter queues to ensure zero message loss during network failures
- Reduced server load by 40% through Redis-based rate limiting and optimized database queries with indexed lookups

AI RESUME BUILDER

Oct 2025 – Nov 2025

- Designed full-stack resume generation platform using Gemini API for AI-powered content creation, serving structured JSON responses parsed into editable resume sections
- Integrated ImageKit CDN for image optimization, reducing load times by 60% through automatic compression and lazy loading
- Implemented secure file upload pipeline with validation, resizing, and cloud storage, eliminating manual image processing

MOVIE RECOMMENDATION ENGINE

June 2025 – July 2025

- Developed content-based filtering system using TMDB API with genre classification, daily curated recommendations, and persistent user favorites stored in MongoDB
- Built RESTful API layer with Express.js handling 500+ concurrent requests, implementing CRUD operations for favorites and watchlist management
- Optimized recommendation algorithm to deliver personalized results in under 200ms using indexed database queries

DIABETES RISK PREDICTION MODEL

Dec 2025

- Trained Random Forest classifier achieving 85% accuracy on diabetes risk prediction using clinical health metrics
- Preprocessed dataset with feature scaling, handled missing values through imputation, and evaluated model using precision, recall, and F1-score
- Deployed Flask-based web interface for real-time predictions, enabling non-technical users to assess diabetes risk instantly

EDUCATION

B.Tech in Computer Science and Engineering (AI)

Oct 2023 – Mar 2027

G. Pullaiah College of Engineering & Technology | CGPA: 8.72/10.0

Intermediate (Class XII) — 85%

June 2021 – Mar 2023

A.P Model School & Jr College

CERTIFICATIONS

Supervised Machine Learning: Regression and Classification (Coursera)

- Mastered linear/logistic regression, gradient descent, regularization (L1/L2), and model evaluation metrics