

SHAIK AFREEN

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PROFESSIONAL EXPERIENCE

• RIG Enterprise Application

Oct 2024 - Present

Software Development Engineer I

Hyderabad, Telangana

- Designed and developed scalable user interfaces for the AI-powered recruitment platform (RecCopilot) using React.js, Redux, and Tailwind CSS, increasing recruiter efficiency by **30%** through streamlined candidate evaluation workflows.
- Engineered and optimized scalable **ASP.NET (C#) REST APIs** in MVC architecture, improving API response performance by **25%** and ensuring backend scalability.
- Enhanced and fine-tuned **LLM prompts** for candidate evaluation, increasing contextual accuracy and output relevance by 35%, leading to more precise hiring recommendations.
- Implemented and integrated **subscription management features**, enabling automated billing, plan upgrades, and user access control, thereby enhancing product monetization and user retention.

• Anuta Networks

May 2024 - Aug 2024

Software Development Intern

Bangalore, Karnataka(Remote)

- Improved platform responsiveness by **22%** by optimizing **AngularJS change detection**, debouncing high-frequency inputs, and lazy-loading Angular Material feature modules.
- Reduced deployment failures by **20%** and increased release throughput by **30%** by designing **E2E Selenium test suites** and integrating them into **Jenkins CI/CD** with parallel test runners and automated gating.
- Cut bundle size **12%** and sped up component render time **15%** by refactoring monolithic UI code into **modular, reusable components** using promise-based async flows, event delegation, and code-splitting.

PROJECTS

• HireHub – Job Search & Recruitment Platform

Nov 2025 - Dec 2025

Tech Stack: Express.js, React.js, Postgres, Kafka, Redis, Cloudinary, Gemini



- Architected a distributed **microservices** ecosystem to streamline the recruitment lifecycle, connecting job seekers and recruiters via a seamless, role-based interface. Solved critical scalability and latency challenges by implementing **Apache Kafka** to decouple notification services, transforming blocking email operations into asynchronous events and boosting system throughput by 40%.
- Integrated **Google Gemini** for AI Resume analysis, Career guidance and implemented a secure **Redis-backed token strategy**, effectively neutralizing replay attacks while maintaining sub-millisecond validation speeds.

• ChatterBox – Real-Time Messaging Platform

Jul 2025 - Aug 2025

Tech Stack: Express.js, React.js, Socket.io, AWS, MongoDB, RabbitMQ, Redis, Cloudinary



- Built a high-performance, real-time chat system using Socket.io, implementing **Redis** caching and **RabbitMQ** asynchronous message queues. This architecture boosted **throughput** by **40%** and cut **latency** by **35%**.
- Architected and deployed a highly scalable infrastructure on **AWS Cloud**, implementing **API rate limiting** for enhanced security and **Cloudinary** for media optimization. This solution ensured 99% application uptime under high concurrent usage.

• Explainable AI (XAI) – Pneumonia Detection Model

Nov 2023 - Dec 2023

Tech Stack: Python, Grad-CAM, TensorFlow, Transfer Learning



- Incorporated Explainable AI (XAI) techniques such as **Grad-CAM** to enhance interpretability and visualization of convolutional neural networks (CNNs) in **pneumonia** disease prediction.
- Leveraged deep learning models with Transfer Learning, employing **MobileNetV2** and **DenseNet169** architectures to achieve **89.67% accuracy with CNNs** and **85.2% accuracy for Grad-CAM** image overlaying.

TECHNICAL SKILLS

- **Programming Languages:** C++, C#, Java, JavaScript, TypeScript, C, SQL, Python
- **Frontend Technologies:** React.js, Next.js, HTML, CSS, Redux, Angular.js
- **Backend Technologies:** ASP.NET, Node.js, Express.js, REST APIs, GraphQL
- **Databases:** PostgreSQL, Elasticsearch, MongoDB, MySQL, Redis
- **Cloud and DevOps:** AWS, Docker, Jenkins, CI/CD Pipelines
- **Tools:** Git, GitHub, VSCode, Linux, AWS CLI, Postman, Swagger

EDUCATION

• IIIT Sricity

Bachelor of Technology in Computer Science and Engineering

Dec 2020 - May 2024

ACHIEVEMENTS

- Recognized for completing the 90 Days of Google Cloud program, earning all skill badges and exclusive rewards for demonstrating hands-on expertise in core cloud services. **Profile**
- Ranked in the top 10% globally on LeetCode with a 1700 contest rating, successfully solving 700+ Data Structures & Algorithms challenges in Java and C++.

LEADERSHIP & VOLUNTEERING

- Led a weekly workshop on Data Structures & Algorithms for 20+ junior students, improving average test scores by 30%.
- Led a team of 10 volunteers to organize a Blood Donation Camp, registering 70+ donors and coordinating with local medical staff.