

SHAIK SHOHEB

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PROFESSIONAL SUMMARY

Founding Software Engineer with nearly 2 years of experience specializing in the intersection of Generative AI and Microservices architecture. Proven expert in architecting end-to-end AI engines, notably pioneering Arohaa, a full-stack platform that solved critical temporal flickering in AI video through advanced character and environmental consistency models. Highly proficient in the MERN stack, Python, and AWS, with a specialized focus on orchestrating LangChain LLM chains and ComfyUI backends. Adept at scaling distributed systems and implementing high-performance algorithms like transposition tables to drive product innovation from concept to global launch.

EDUCATION

Bachelor of Technology

August 2020 - May 2024

- R.V.R & J.C College of Engineering, Guntur
- Computer Science and Engineering
- 8.68 / 10.0 CGPA

Intermediate

June 2018 - May 2020

- Sri Chaintanya Jr. College, Guntur
- Mathematics, Physics and Chemistry
- 9.7 / 10.0 CGPA

Secondary School

June 2017 - March 2018

- St. Patrick's High School, Guntur
- 10.0 / 10.0 CGPA

PROFESSIONAL EXPERIENCE

Software Engineer - Vargah Software Private Limited, Hyderabad, Telangana

Nov 2024 – Dec 2025

- Pioneered the development of Arohaa, a full-stack generative AI engine that solves temporal flickering in AI video by maintaining strict character and environmental consistency across generated sequences.
- Executed advanced LLM model implementations, applying various architectures to address diverse functional requirements.

- Leveraged a tech stack including Vite, React JS, Tailwind CSS, FLUX Dev Kontext, Gemini 2.5 Pro API, ComfyUI, AWS services, and FastAPI.
- Orchestrated LangChain-based LLM chains utilizing few-shot learning techniques to standardize JSON outputs, ensuring seamless data flow between Gemini 2.5 Pro and the ComfyUI backend.
- Deployed a scalable, distributed system utilizing AWS (Lambda/S3) for core web services and containerized FastAPI environments on Model.com to ensure seamless auto-scaling of AI-driven video generation workloads.
- Managed and grew two health and wellness YouTube channels (TheEatingElements) as a proof-of-concept, achieving 36k total views and 388 subscribers within 20 days.

Frontend Developer - Investme.AI Bangalore, Karnataka

May 2024 – Oct 2024

- Designed and implemented scalable frontend architectures from scratch, including a no-code platform for financial applications using ReactFlow APIs.
- Optimized applications for performance and user experience while contributing to quick iteration cycles in an Agile environment.
- Utilized React JS, TypeScript, Tailwind CSS, Node JS, Nest JS, Sentry, and AWS.

Software Intern- Vargah Software Private Limited, Hyderabad, Telangana

Feb 2024 – April 2024

- Implemented advanced AI performance enhancements using transposition tables for the Simple Hex mobile game, surpassing traditional alpha-beta pruning methods.
- Developed an AI evaluation strategy to measure improvements against performance benchmarks.
- Engineered a multithreaded architecture in C# to parallelize move-search algorithms, significantly reducing computation time per turn and allowing the AI to process deeper search trees in real-time.
- Launched "Big Hex," a mobile game played by users globally, utilizing the Unity Engine.

PROJECTS

HealthKard | *Fullstack Developer*

- Developed a comprehensive healthcare web and hybrid mobile application to facilitate the management of medical records and appointments.
- Utilized React JS, Tailwind CSS, Node.js, and MongoDB to create an intuitive user interface and robust functionality.
- Designed a Role-Based Access Control (RBAC) system to deliver distinct, secure dashboards for Admin, Healthcare Agents, and Patients, ensuring strict data privacy and streamlined workflows.
- Implemented Google OAuth 2.0 for secure user authentication and orchestrated a full-stack deployment on AWS, utilizing S3 for frontend hosting and AWS Lambda for a scalable, serverless Node.js backend.
- Engineered a hierarchical user management system where Admins manage Agent onboarding, enabling Agents to drive user enrollment through tiered health plans and track conversion metrics via a custom date-filtered analytics dashboard.
- Integrated PhonePe payment infrastructure, enabling secure UPI transactions and real-time payment status.

RJENest | College ITBI Web Application

- Built a responsive web application using HTML, Tailwind CSS, JavaScript to allow users to promote innovation ideas.
- Facilitated financial and mental support for innovators via college management and government initiatives.

TECHNICAL SKILLS

Core Languages:	Python, Java, JavaScript
Web Frameworks:	React.JS , Express.JS, Node.JS, NestJS, MongoDB, Tailwind CSS, TypeScript
AI/ML & LLMS:	LLM Implementations, Gemini 2.5 Pro API (Few-shot prompting), FLUX 2.2 Kontext, ComfyUI, Transposition Tables.
Cloud & DevOps:	AWS (Amazon Web Services), Docker, Git, Github, Sentry.
Tools:	Figma, Postman, Vite, Unity Engine
Foundational Skills:	Data structure and Algorithms, Problem Solving

ADDITIONAL INFORMATION

Languages:	English, Telugu, Hindi, Urdu
Soft Skills:	Team work, Decision Making, Problem Solving, Time Management, Communication

CERTIFICATIONS

- Certification in Cloud & DevOps by Epam Center of Excellence.
- Google Data Analytics by Course Era.
- Web development training by Internshala.
- Certification on Edge Computing, Computer Vision, Principles of Management, Java, C++, Data Structures and Algorithms using Python by NPTEL.

ACHIEVEMENTS

- Submitted a paper in AIIDE 2024 on enhancing Hex game algorithms utilizing intra-move transposition tables.
- Secured first place in three college-level web development events and third place in a nationwide competition hosted by the college.
- Spearheaded the successful operation and rapid subscriber growth of YouTube channels, serving as a proof-of-concept for the text-to-video generation product, Arohaa.