

AKSHAR GOTHİ

akshargothi70@gmail.com | +1 (415) 747-2221 | San Francisco, CA
[Linkedin](#) | [Github](#)

PROFESSIONAL SUMMARY

Full-Stack Software Engineer with 2+ years of experience building scalable web applications using React.js, Node.js, and PostgreSQL. Proficient in both frontend and backend development, RESTful API design, and cloud deployment on AWS and GCP. Experienced in integrating third-party services (Stripe, PayPal), enhancing UX/UI, and delivering secure, high-performance systems. Passionate about creating user-centric products and collaborating in agile teams.

EDUCATION

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| San Francisco State University, San Francisco, California, USA [GPA-3.63/4] Master of Science: Computer Science | August 2023 – December 2025 |
| • <i>Relevant Coursework:</i> Software Engineering, Analysis of Algorithms, Database Management Systems, Web Development | |
| Chandubhai S Patel Institute of Technology, Gujarat, India [GPA-3.5/4] Bachelor of Technology: Information Technology | July 2017 – May 2021 |
| • <i>Relevant Coursework:</i> Object-Oriented Programming, Data Structures, Operating Systems, Mathematics, Cloud Computing | |

PROJECTS

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| <u>MockCode.AI – AI-Powered Job Interview Assistant:</u> | March 2025 |
| • Built a full-stack AI assistant that scrapes job roles from LinkedIn and generates tailored LeetCode-style coding questions using LLMs based on stored question banks with sample inputs and outputs. | |
| • Preprocessed and indexed hundreds of LeetCode problems in a structured format to provide the LLM with examples and context for generating relevant interview questions. | |
| • Supports multiple languages (Python, JavaScript, Java, etc.) and provides AI-powered feedback with suggested improvements after code submission. | |
| • Integrated Judge0 API for real-time code execution and OpenAI for review logic to simulate realistic interview evaluations. | |
| • Includes a LinkedIn job auto-apply feature that matches candidate profiles and submits applications with one click, streamlining the entire job search process. | |
| <u>YoudescribeX:</u> | November 2024 |
| • Developed a full-stack accessibility platform enabling audio descriptions for YouTube videos using React.js for frontend and Python-based backend services. | |
| • Integrated YOLOv8 for object detection and synchronized results with LLM-generated captions to build a seamless video narration pipeline. | |
| • Reduced pipeline runtime from 30 to 15 minutes by implementing a queue-based system with SQLite, AWS Lambda, and DynamoDB. | |
| • Fine-tuned small LLMs to generate low-latency text-to-speech content, enhancing the experience for visually impaired users. | |
| • Designed a responsive and accessible frontend UI aligned with WCAG standards, improving usability across all devices. | |
| <u>Realtime Hurricane Prediction:</u> | October 2024 |
| • Developed a full-stack dashboard using React.js and Google Maps API to visualize real-time hurricane forecasts across 100+ global locations. | |
| • Built and deployed Flask REST APIs to serve spatial-temporal data from Google Earth Engine, ensuring accurate and responsive frontend integration. | |
| • Enabled natural language queries with Gemini AI, delivering personalized weather insights directly within the UI. | |
| • Delivered the MVP within 36 hours at CalHacks 2024, showcasing rapid development skills, clean architecture, and real-time data integration on the cloud. | |

WORK EXPERIENCES

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| Software Engineer - <i>Tatvasoft</i>, Ahmedabad, India | July 2021 – August 2023 |
| • Designed and developed a scalable MVC-based e-commerce CMS for over 2M+ products, improving development speed by 30% using AWS S3 and modular architecture. | |
| • Built interactive, responsive UIs in React.js, increasing user engagement by 20% through cross-functional collaboration with designers and product teams. | |
| • Integrated Elasticsearch for dynamic search and implemented SEO optimizations, boosting organic traffic by 10%. | |
| • Automated backend workflows using Python and shell scripts, reducing processing time by 30% across 10+ workflows. | |
| • Delivered secure payment experiences for 10K+ users by integrating Stripe and PayPal, ensuring seamless checkout flows. | |
| • Achieved <1% defect rate by leading rigorous testing, debugging, and CI/CD deployment practices across production environments. | |
| Backend Engineer Intern - <i>Reviewdale</i> | July 2020 – August 2021 |
| • Engineered a distributed microservices architecture for review analysis of Amazon and Flipkart data, enabling structured insights and reducing processing time by 23%. | |
| • Developed RESTful APIs in Node.js and MySQL to handle secure transactions and integrations with Google Ads and Razorpay. | |
| • Deployed scalable backend services on GCP with Docker containers, reduced CI/CD pipeline downtime by 15% using automated triggers. | |
| • Contributed to architecture decisions involving queue systems and modular API layers for future extensibility. | |
| • Collaborated in an agile team to iterate quickly and deliver stable backend services with minimal supervision. | |

TECHNICAL SKILLS

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| Programming Languages: JavaScript, TypeScript, Python, Java, C/C++ | Database: MongoDB, PostgreSQL, MySQL, Firebase |
| Frontend Technologies: React.js, Next.js, HTML, CSS, Tailwind, jQuery | Backend Technologies: Node.js, Express.js, Django, REST APIs |
| Other Tools / Software: Postman, JIRA, Figma, Slack, Kafka, Hugging Face, Git, Docker, CI/CD | |