Kalpkumar Shah (Full Stack Developer)

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SKILLS

Languages: Proficient: JavaScript, Java, Python, C/C++, HTML, CSS; Intermediate: SQL, TypeScript, F#, Shell scripting
Software: React, Node.js, Express, MongoDB, Django, FastAPI, TensorFlow, PyTorch, Angular, Spring Boot, Git, Docker, Kubernetes, Helm, Terraform, Azure, AWS, Jenkins, Maven, JUnit, Google Colab, Kaggle, VS Code, IntelliJ IDEA
Concepts: RESTful APIs, Microservices, CI/CD, Cloud Computing, Machine Learning, DevOps, Agile Methodologies
Soft Skills: Effective Communication, Team Collaboration, Problem Solving, Time Management, Critical Thinking, Adaptability, Project Leadership, Client Relations

EXPERIENCE

- **OUTLIER AI**   Dec 2023 - Feb 2024
  AI Trainer for Marketing   *Remote*
  - Designed and conducted training sessions on AI tools tailored for marketing strategies.
  - Enhanced the marketing team's ability to leverage AI-driven analytics for targeted campaigns.
  - Developed custom AI models to predict consumer behavior, increasing campaign effectiveness by 25%.
  - Facilitated cross-departmental understanding of AI capabilities, fostering innovation in product development and customer engagement.

- **UNIVERSITY OF ILLINOIS, CHICAGO**   Aug 2021 - Dec 2023
  TEACHING ASSISTANT   *Chicago, IL*
  - Provided academic support to 250+ students in computer science, mathematics, and engineering
  - Conducted lab sessions, graded assignments, and held office hours to clarify complex concepts
  - Assisted in developing course materials and creating hands-on projects, improving student performance by 15%

- **IT EXPERT SYSTEM, INC.**   Jun 2023 - Aug 2023
  CLOUD ANALYST INTERN   *Schaumburg, IL*
  - Optimized Azure cloud infrastructure, reducing costs by 5% and improving performance by 20%
  - Led cross-functional teams in cloud migration projects, increasing operational efficiency by 15%
  - Implemented security measures ensuring 100% compliance with industry standards and regulations
  - Automated deployment processes using Jenkins and Docker, reducing deployment time by 20%

- **ID TECH CAMP**   May 2022 - Dec 2022
  GAME DEVELOPMENT INSTRUCTOR   *Chicago, IL*
  - Developed and delivered game development curriculum for students aged 7-19, achieving 95% satisfaction rate
  - Mentored 50+ students in Java-based Minecraft modding, fostering coding and design skills
  - Guided students in debugging and optimizing their code, improving problem-solving skills by 30%

PROJECTS

- **E-Commerce Platform (MERN Stack)**   *(∼100 hours)*
  - Developed full-stack application with React, Node.js, Express, and MongoDB
  - Implemented user authentication, shopping cart, product search, admin panel, and payment integration
  - Utilized Redux for state management, ensuring efficient and scalable code
  - Deployed application on AWS, implementing CI/CD pipelines for automated testing and deployment

- **AI-based Image Classification and Puzzle Solver**   *(∼80 hours)*
  - Developed CNN-based YouTube thumbnail classifier with 81% accuracy using SIFT and TensorFlow
  - Implemented 15-puzzle solver using heuristic functions, reducing solution time by 40%
  - Created interactive visualization tool, enhancing algorithm understanding for 500+ users

- **Connect Four Game (Java, JavaFX)**   *(∼60 hours)*
  - Built full-stack game with custom GUI, game logic, AI opponent, and move reversal feature
  - Utilized Maven for project management and JUnit for comprehensive unit testing
  - Integrated Minimax algorithm for AI opponent, enhancing game difficulty and user engagement

EDUCATION

- **University of Illinois, Chicago**   2020 - 2023
  Bachelor of Science in Computer Science, Minor in Mathematics   *Chicago, IL*
- GPA: 3.48/4.0
- Relevant coursework: Data Structures, Algorithms, Systems Programming, Computer Vision, Artificial Intelligence, Database

LEADERSHIP EXPERIENCES

- Association for Computing Machinery (ACM) Club, Treasurer   Aug 2021 - Dec 2023
- Space Exploration and Development (SEDs), Member   Jan 2022 - Dec 2023
- Linux Users Group (LUG), Member   Jan 2021 - Dec 2023

CERTIFICATIONS

- Microsoft Azure Fundamentals (AZ-900)