Keshav Jindal

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Education

California State University, Long Beach, CA   **Graduating May 2027**
Bachelor's in Computer Science (Honors Program) **GPA – 3.6 (Dean's List)**
Coursework: Digital Logic, Data Structures and Algorithms, Distributed computing and Networks, UI Design, Computer Security, Object Oriented Programming, Machine Learning, Artificial Intelligence, Operating Systems

Experience

Teaching Assistant | California State University Long Beach   Jan 2026 – Present
- Maintaining and iterating on dataniz.com, shipping 10+ frontend and documentation updates that improved accessibility and reduced recurring student setup issues across weekly labs.
- Spearheading a design overhaul across 5+ core pages, refactoring reusable UI components and tightening information architecture to improve navigation clarity and mobile responsiveness.
- Supporting 60+ students with debugging and code implementation for web app development and dynamic systems, resolving 200+ issues related to networks and routing (API connectivity, request flows, state synchronization) through guided troubleshooting and best-practice instruction.

Research Assistant | California State University Long Beach   Aug 2025 – Jan 2026
- Developed AI models on time-series sensor data, improving seizure prediction accuracy by 30 % through optimized feature engineering and model selection for workplaces.
- Conducted simulation driven data analysis on 100+ GB of sensor and experimental data, applying GPU-accelerated pipelines to increase prediction sensitivity by 70%.
- Designed experiments, co-authored research papers and presented academic findings at conferences.

Web Development Intern | JM Global Logistics   May 2025 – Aug 2025
- Shipped and maintained a customer-facing company information website using **Next.js**, **Typescript and AWS S3** that enabled clients to reach the business, increasing customer outreach by 180%.
- Led SEO optimization and informational architecture strategy, increasing organic traffic by 50% and improving 12 target keywords into Top 5 search results.
- Delivered performance and conversion improvements by optimizing Core Web Vitals and refining contact flows, reducing median load time from 3.2s to 1.6s and increasing contact submissions by 35%.

Projects

Barter | AI-AR Skill Exchange Platform | Github   Sep 2023
- Built and shipped a full-stack web application for Snap AR Spectacles, measured by feature-complete chat/AR flows, by architecting React UI, REST APIs, Firebase Auth and interaction logic in Lens Studio.
- Implemented AR-guided experiences, measured by guided, real-time sessions, by integrating an OpenAI API chatbot and mapped Typescript based navigation for the Spectacles port.
- Attracted 100+ early users, +35% monthly retention, -40% onboarding time by launching the protocol.

Devflow Agent | Developer Workflow Automator | Github   Jan 2026
- Built a Python LLM workflow agent that automates developer tasks using function calling, FastAPI, PostgreSQL, Redis, Docker, and GitHub Actions, plus a labeled dataset of 100 real dev workflows.
- Shipped a web app that completes 4 end-to-end workflow steps per run and reaches 90% task success on the workflow dataset with less than 2% tool-call failure rate after adding validation and retries.
- Reduced manual planning and context switching from 20 min to 8–11 min per feature request and improved iteration speed by auto-generating issue-ready plans with 100% run traceability for debugging and QA.

FableFrog | Storyteller S2S chatbot | Github   June 2023
- Built and shipped a text-to-speech storytelling web app in 36 hours using Python, React Native, OpenAI API (function calling) with ElevenLabs, supporting 20+ emotion parameters.
- RAFT prompts + function calling for kid-safe storytelling; curated 1000+ labeled samples and LoRA/PEFT fine-tuned a model, boosting policy pass rate +30% and cutting harmful-content -98%; shipped an adversarial eval harness & privacy safeguards.
- Designed a Gradio front-end that served 200 users during the hackathon, boosting engagement by 70%.

Technical Skills

Languages: Python, Java, C, C++, TypeScript, JavaScript, SQL, Rust, Go, React, Next.js, React Native, HTML
Backend: Microservices, REST, WebSockets, Flask, Flask-SocketIO, event-driven, idempotency, Oauth2, JWT
Cloud and Databases: EC2, S3, DynamoDB, RDS, API Gateway, Lambda, ECS, Fargate, CloudWatch, IAM, Firestore
AI/AR/ML: TensorFlow, PyTorch, scikit-learn, OpenCV; prompt engineering; model serving; LLMs, APIs