

# Khadar Chittor

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## PROFESSIONAL EXPERIENCE

### IT Tech Student Lead

August 2025 – Present | California, United states

California State University, Auxiliary Services Corporation

- Built cross-system automations/integrations that eliminated ~45% manual work, boosting incident throughput and freeing engineer time.
- Piloted Generative AI tools to automate tasks (log analysis, knowledge base creation), boosting team efficiency.
- Acted as the first point of contact for technical issues, resolving complex problems to minimize downtime for faculty, staff, and students.
- Mentored 8+ assistants via reviews and pairing, established PR guidelines, CI checks, documentation templates to streamline contributions.

### IT Tech Student Assistant

June 2024 – July 2025 | California, United states

California State University, Auxiliary Services Corporation

- Applied Python, Pandas, and SQL to analyze IT support logs, identifying recurring issues and recommending improvements.
- Assisted in AI chatbot integration for first-level IT queries, reducing manual workload for Tier-1 support.
- Analyzed ticket exports with Python + Pandas to spot repeating errors by device/OS/building; shared a weekly summary of patterns and fixes.
- Wrote a small Apps Script that converts intake Google Forms into fully-tagged tickets with attachments and routing.

### Software Engineer

October 2022 – December 2023 | Bangalore, India

HCLTech

- Designed & deployed Python-based core banking modules for Australia's largest bank using Django, Flask, pandas, PostgreSQL, REST APIs.
- Collaborated with 20+ stakeholders using Jira, Confluence, and regular bridge calls for requirement gathering and project coordination.
- Automated banking workflows and security testing using Python, Selenium, HCL AppScan, and SQL Server reducing manual effort by 35%.
- Delivered 24x7 production support (L1/L2) for mission-critical systems via ServiceNow, achieving strict SLA compliance.
- Trained and mentored 12+ hires, delivered knowledge transfer on banking concepts, compliance, and workflows via SharePoint/wikis.
- Built cross-browser compatible, responsive web apps using HTML, CSS, and React with accessible UI components and REST/GraphQL data flows.

## PROJECTS

### TaFlo: Task & Flow Dashboard

- Developed a Next.js (TypeScript) app that helps users capture, organize, and track tasks from intake to completion.
- Designed a reusable component system (task cards, forms, models, layout primitives) and sensible state patterns to keep features consistent
- Implemented bulk actions and multi-select to speed up repetitive maintenance (status changes, priority updates, label edits) across many tasks.
- Optimized build/deploy pipeline on Vercel with environment isolation and preview deployments, enabling iterative releases from pull requests.

### AI Personal Motivator & Quote Generator

- Built an AI application that generates personalized motivational write-ups and curated quotations tuned to user goals and preferred tone.
- Added clear controls for tone, response length, and delivery, plus optional text-to-speech for listening on mobile or desktop.
- Built safety guardrails that detect sensitive topics, soften language when needed, and keep responses constructive without blocking content.
- Implemented quote selection that matches user goals using embeddings, with deduping and attribution checks to keep results fresh.

### AI FlashCard Maker

- Built an app that turns PDFs, DOCX, TXT, or pasted text into clean Q&A flashcards for study, keeping a simple layout and easy browsing.
- Added two generation modes, offline and Gemini-powered, so users can pick speed and privacy or richer questions and answers with a toggle.
- Included a quick quiz with flip/reveal and progress, plus JSON export to save, share, and reload decks across sessions and devices.
- Introduced copy-to-clipboard, plain-text export, and JSON import/export, making it easy to share and back up across sessions and tools.

## TECHNICAL SKILLS

**Programming Languages:** Python, TypeScript, JavaScript (ES6+)

**Backend, APIs & Databases.:** Django, Django REST Framework (DRF), FastAPI, Node.js, REST, GraphQL, PostgreSQL, SQL Server

**Frontend:** React, Next.js, HTML5, CSS3, Material UI, Responsive Design, Accessibility (WCAG 2.1 AA)

**GenAI:** RAG & embeddings, function/tool calling, LangChain, pgvector, OpenAI & Google GenAI APIs, safety/guardrails, text-to-speech

**Cloud, DevOps & Automation:** AWS (EC2, S3, Lambda, RDS), Docker, Terraform, Jenkins, Git, CI/CD, Vercel, Google Apps Script, ServiceNow

**Testing:** Jest, React Testing Library, Cypress, Postman

## EDUCATION

### California State University Fullerton

January 2024 – May 2026 | Fullerton, California

Master of Science(M.S) in Computer Science

- Courses : Artificial Neural Networks, Advanced Algorithms, Machine Learning, Advanced Software Process

### Anna University

August 2018 – April 2022 | Chennai, India

Bachelor of Science(B.S) in Computer Science.

- Courses: Artificial Intelligence, Data Structures, Database Management Systems, Cloud Computing