# Khushi Chandra

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## EXPERIENCE

**Software Engineer,** eGain Corporation     Jun 2025 – present | Sunnyvale, CA
- **Accelerated multi-API configuration testing** from days to hours by developing a parallel orchestrator and JSON-driven framework, achieving **10× throughput** across **500+ configurations** and **1,000+ queries**
- **Engineered and deployed** a production-grade **AWS** evaluation platform (**ECS Fargate, API Gateway, CDK**) with real-time monitoring of **5+ APIs**, enabling leadership to benchmark search and generative AI models at scale
- **Built full-stack** solutions including dataset validation UI, job monitoring, **S3 integration**, **OpenAPI spec**, and **MCP server**, unlocking **AI agent integration** like Cursor
- **Containerized and automated deployments** with **FastAPI, Docker**, and **CI/CD**, cutting release cycles from hours to minutes and boosting production **UX by 30%**

**AI Engineer Intern,** ASAPP     Aug 2024 – Dec 2024 | Remote
- **Developed** LLM-powered data extraction system processing 10,000+ customer conversations, improving retrieval accuracy by 15%
- **Fine-tuned and benchmarked** enterprise ML models (BERT, LLaMA, Gemini) using advanced evaluation pipelines and performance optimization techniques
- Engineered FastAPI evaluation service with **latency under 0.5 seconds**, enabling real-time monitoring of deployed ML models
- **Conducted** performance testing and error analysis of ML pipelines in Agile sprints, identifying bottlenecks and improving stability.

**Technical Director,** Society of Women Engineers - SJSU     Aug 2024 – May 2025 | San Jose, CA
- **Led** technical team of 4 committee chairs executing website revamp and IT infrastructure improvements
- **Boosted** web traffic by **45%** through **SEO** optimization, responsive design implementation, and user experience enhancements
- **Developed** a new membership portal and officer dashboard, enhancing engagement and operations across **100+ members**

**Adobe Student Ambassador,** Adobe     Apr 2024 – May 2025 | San Jose, CA
- **Designed** marketing campaigns across **20+** campus organizations, increasing Creative Cloud activations by **25%**
- **Hosted 4+** technical workshops and social media campaigns, promoting Adobe Creative Suite through classroom demos
- **Increased** event participation by **40% t**hrough strategic promotions and creative workshop formats.

## PROJECTS

**Algorithm Justice League – Equitable AI for Dermatology,**     Jan 2025 – Apr 2025
Python, Scikit-learn, Fairlearn, Kaggle, Cornell Tech
- **Developed bias-detection ML models** for dermatology AI, improving accuracy across diverse skin tones by 15% and addressing healthcare AI bias affecting global populations.
- **Leveraged Fairlearn + advanced data visualization** to analyze fairness across demographic groups, ensuring equitable medical AI deployment.

**Lost Package Tracking Chatbot,**     Mar 2025
JavaScript, HTML/CSS, Python (CLI), UX Design
- **Built full-stack chatbot application** with CLI + web interfaces for package tracking, claims filing, and customer support automation.
- Designed **responsive UI** with dark/light mode, real-time typing indicators, and input validation for an optimized experience.

**HeriTaste: Digital Collective Cookbook,**     Feb 2024
TreeHacks Hackathon - Stanford University
- **Built a progressive web app** for **cultural recipe preservation**, leveraging AI-powered speech-to-text transcription and storytelling features.
- Integrated **OpenAI Whisper API** to convert voice memories into structured text, enhancing digital cultural heritage preservation.

## SKILLS

**Languages:** Python, Java, JavaScript, C/C++, SQL, HTML/CSS

**Frameworks & Libraries:** React, FastAPI, Django, Flask, Node.js, TensorFlow, PyTorch, Scikit-learn

**Cloud & DevOps:** AWS (Lambda, S3, EC2, ECS Fargate, API Gateway, CDK, VPC, Secrets Manager), Docker, Kubernetes, Git/GitHub, CI/CD

**Databases:** MySQL, PostgreSQL, Redis, MongoDB

**Data & ML:** NumPy, Pandas, Matplotlib, Seaborn, Jupyter, NLP, Computer Vision, Model Fine-tuning, LLM Evaluation, Fairlearn

**Tools & Methodologies:** Postman, JIRA, Figma, PowerBI, Agile/Scrum, REST APIs, JSON, Performance Optimization, Monitoring/Logging

## EDUCATION

**Bachelor of Science, Computer Science,** San Jose State University     May 2025
**Magna Cum Laude** | President's Scholar (Fall 23, Fall 22, Spring 22) | Dean's Scholar (Spring 23) |
Global Spartan Scholar(2024-25) | Alumni Association Dean's Scholar(2023-24) | Lastmile Education Scholar (2024-25)

**Machine Learning Foundations Certificate,** Cornell University     Jul 2024