ANGAD SINGH JOSAN

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EDUCATION

University of California, Berkeley May 2028
B.S. in Electrical Engineering and Computer Sciences (EECS) *GPA: 4.00/4.00*

Awards: 2nd Place, CalHacks, Promise (YC S18) Track. 1st Place, Microsoft Hunt the Wumpus Hackathon
Relevant Coursework: Deep Learning for Visual Data, Advanced Programming: Algorithms and Data Structures

SKILLS

Programming Languages: Python, Java, C++, TypeScript, C#, JavaScript, R
Technologies: Amazon Web Services (S3, EC2), Google Cloud Platform, PyTorch, OpenAI API, OpenCV, Langchain, Node.js (Express, Next, React), Flask, W&B
Development Tools: Git, GitHub Actions, pytest, CI/CD pipelines, Cursor, Lovable, GitHub Copilot

PROJECTS

DeCal Website – Student-Taught Course Coordination *September 2025 - Present*
- Developed student-taught course enrollment platform to save administrative board 300+ hours annually in review
- Architected scalable PostgreSQL database and deployed on Berkeley servers for 8,000+ students and 200+ facilitators
- Built Next.js workflows to improve course approval turnaround by 75% through stakeholder analysis and automation
- Leveraged GenAI tools for developer productivity (Cursor, GitHub Copilot) to decrease prototyping time by 80%

Edgar – RAG-based AI Admissions Chatbot *February 2024 – May 2024*
- Developed RAG admissions chatbot to save admissions office 700+ hours annually through automated email response
- Led a team of 3 developers to build an admissions chatbot; a project funded and selected by the business office
- Used Python, Langchain and OpenAI API to develop AI receptionist agent with 100+ institutional policies and FAQs

EPSchedule – School Schedule App *September 2021 – September 2025*
- Led development of scalable schedule coordination software with 500+ active users and 6 logins per user per month
- Built scalable Python services on cloud-native architecture (Google Cloud Platform), leveraging CI/CD and cron jobs
- Enabled 95% of school to achieve name-to face recognition through schedule and photo sharing features

WORK EXPERIENCE

ClassProxima – Caltech-backed EdTech startup **Seattle, Washington**
Software Engineer Intern, AI/ML *April 2024 – September 2024*
- Architected AI daily video summary system for parents in childcare centers saving 520+ hours in annual review time
- Built scalable image pipeline for extraction, Amazon Web Services based storage (S3), and model training (EC2)
- Fine-tuned CLIP models with PyTorch, achieving 83% accuracy on proprietary datasets with W&B monitoring
- Reduced inference latency by 57% on CLIP models through quantization, batching, and PCA embedding compression
- Performed code review on 15+ pull requests on Git-based version control system, learned SDLC in team environment

Cambridge University **Cambridge, UK**
Machine Learning Researcher *May 2023 – September 2023*
- Built and trained BERT models on 500,000+ record multilingual social media dataset of ethnic minority discourse
- Engineered data cleaning pipeline, utilized NumPy and Pandas to process tokenization and feature extraction
- Achieved 12% improvement in entity lexical smoothing accuracy through finetuning with Tensorflow
- Selected for competitive Cambridge NLP research program from 4200+ applicants, awarded STEM Merit scholarship

KAGS Group **Seattle, Washington**
Part-time Software Engineer *August 2020 - Current*
- Spearheaded and architected automated cloud-based HR system to transition company's HR from paper to digital, use Microsoft Power Platform, 2000+ hours saved annually in manual HR document creation and review
- Developed secure data storage pipeline to manage 1900+ employee records digitally with role-based data security
- Streamlined 15+ HR workflows through automation, demonstrating operational excellence with 99.3% uptime