

Jaiveer Bassi

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Education

Grand Canyon University MS in Computer Software Engineering	May 2024 - Oct 2025 Phoenix, AZ
University of Silicon Valley BS in Computer Science	May 2021 - Aug 2023 San Jose, CA

Experience

Kaiser Permanente Regional Laboratory Software Developer	Oct 2023 - June 2024 Berkeley, CA
Freelance Full-Stack Developer Freelance Developer	June 2024 - Aug 2024 Remote

- Developed a full-stack web application using React, Express, RESTful APIs, and SQL for uploading and viewing lab instrument data.

- Designed and deployed a SaaS project tracker using React, Node.js, and MongoDB with OAuth login.

Research

Expanded Efficient Packaging and Deployment of AI Models | Edge AI, Model Deployment

- Proposed an end-to-end pipeline for efficient packaging and deployment of AI models on edge devices.
- DOI: 10.13140/RG.2.2.23010.59844

Evaluating Transferability of Adversarial Attacks Across ML Models | Adversarial AI, CNNs

- Analyzed cross-architecture adversarial attack transfer using FGSM, PGD, and CW.
- DOI: 10.13140/RG.2.2.16410.76489

Projects

CareerTuner.org | OpenAI, React, Node.js, Supabase, Tailwind, PDFKit

- Developed and deployed an AI-powered resume analyzer with GPT-based feedback, ATS scoring, skills matching, Supabase backend, Tailwind UI, and PDF export.

Pluro.app | React, Express, PostgreSQL, Stripe, Google Cloud, iOS

- Built a platform for website design agencies to manage clients, track projects, share design assets, and handle invoicing and payments. Developed a companion iOS app

Chess-RL: AI Chess Engine Using Reinforcement Learning | C++, PyTorch, Python, PyGame, pybind11

- Developed a hybrid C++ and Python chess engine inspired by AlphaZero that learns autonomously via self-play reinforcement learning.

Technical Skills

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

Technologies: React, Node.js, Express, Flask, Streamlit, Unity, Docker, AWS, Git, Supabase, Tailwind, XCode

Libraries/Tools: Power BI, Microsoft Excel, PyTorch, HuggingFace Transformers, NumPy, Pandas, OpenCV, CUDA, NetworkX, Pytest, Matplotlib

Networking/Protocols: VXLAN, OSPF, Spine-Leaf topologies, Routing simulation

Certifications

Cisco Network Support and Security	Sep 2025
<i>Credential ID: 9d0c624f-c2ea-4dde-9edf-f7ab096b3003</i>	
IBM Artificial Intelligence	Aug 2025
<i>Credential ID: 9499939c-56c2-4760-9ccd-b8399fd97d31</i>	
Stanford Fundamentals of AI and Machine Learning in Healthcare	Jun 2025
<i>11 AMA PRA Category 1 Credits</i>	
Google Project Management	Sep 2024
<i>Credential ID: DQ3EEK89IWI6</i>	
Google IT Support	May 2021
<i>Credential ID: 6KPKTL6896VT</i>	