Jaiveer Bassi

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Education

Grand Canyon University   May 2024 – Oct 2025
MS in Computer Software Engineering   *Phoenix, AZ*

University of Silicon Valley   May 2021 – Aug 2023
BS in Computer Science   *San Jose, CA*

Experience

Kaiser Permanente Regional Laboratory   Oct 2023 – June 2024
Software Developer   *Berkeley, CA*
- Developed a full-stack web application using React, Express, RESTful APIs, and SQL for uploading/viewing lab data.

Freelance Full-Stack Developer   June 2024 – Aug 2024
Contract Freelance Developer   *Remote*
- 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* | 10.13140/RG.2.2.23010.59844
- Proposed an end-to-end pipeline for efficient packaging and deployment of AI models on edge devices.

Brain Tumor Classification with Pretrained CNNs in PyTorch | *Deep Learning, Medical Imaging* | 10.13140/RG.2.2.21638.28484
- Classified brain tumors into four categories using ResNet-18 transfer learning on 7,000+ MRI images.

Evaluating Transferability of Adversarial Attacks Across ML Models | *Adversarial AI, CNNs* | 10.13140/RG.2.2.16410.76489
- Analyzed cross-architecture adversarial attack transfer using FGSM, PGD, and CW.

Projects

MedStract.net | *BioBERT, React, Node.js, PubMed API, NLP*
- Built PubMed search platform with BioBERT-powered summaries adapted to user expertise levels.

CareerTuner.org | *OpenAI, React, Node.js, Supabase, Tailwind, PDFKit*
- Built AI resume analyzer with AI feedback, ATS scoring, skills matching, and PDF export.

AlphaZero-Style Chess Engine | *C++, PyTorch, Python, PyGame, pybind11*
- Built AlphaZero-inspired chess engine in C++/Python using self-play reinforcement learning.

Technical Skills

Languages: Python, TypeScript, JavaScript, SQL, C++, Java, .NET, HTML/CSS
Technologies: React, Next.js, Node.js, Express, Flask, Tailwind, Bootstrap, RESTful APIs, Microservices, Docker, Git, CI/CD
AI/ML: OpenAI API, LangChain, PyTorch, HuggingFace, RAG Pipelines, DICOM, HL7/FHIR
Data & Cloud: PostgreSQL, MongoDB, Supabase, Vector DBs, AWS, Google Cloud, Power BI, Pandas, NumPy

Certifications

Cisco Network Support and Security (Sep 2025)   **IBM Artificial Intelligence** (Aug 2025)

Stanford AI/ML in Healthcare (Jun 2025)   **Google Project Management** (Sep 2024)

Google IT Support (May 2021)