

Pranavi Konigalla

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EDUCATION

De Anza College — A.S. Cognitive Science + Data Science (Transfer Track)

Cupertino, CA | Expected Transfer: Fall 2026

GPA: 3.8 · Relevant Coursework: Python Programming, Data Structures, Statistics, Cognitive Psychology, Human-Computer Interaction

EXPERIENCE

Data Analytics Extern

April 2026 – Present

TruBridge × Extern · Remote

- Analyzed publicly available healthcare datasets in Python, examining infection trends across demographics and temporal patterns to surface actionable public health insights.
- Applied data cleaning and preprocessing techniques to structure raw clinical data, resolving missing values and preparing datasets for exploratory statistical analysis.
- Built interactive dashboards using Claude AI and Power BI to communicate complex infection trend findings to non-technical healthcare stakeholders.

Student Assistant — Workforce Development & CTE Department

June 2025 – Present

De Anza College · Cupertino, CA

- Produce data-driven presentations synthesizing enrollment demographics, grant data, and administrative records, translating complex spreadsheets into clear visual narratives for faculty and leadership.
- Analyze program performance data across the South Bay Consortium to inform outreach strategy and enrollment decisions for CTE department initiatives.
- Manage cross-institutional marketing and communications, coordinating outreach campaigns across multiple schools in the district consortium to drive student engagement.
- Streamline department workflows by designing documentation and records systems for student projects, events, and program delivery tracking.

IT Technician Intern

May 2025 – Present

CompTechS Lab · Cupertino, CA

- Refurbished donated computers and laptops by wiping drives, reimaging systems, and installing software to prepare devices for redistribution to underserved communities
- Diagnosed and repaired hardware issues including microchip-level components, improving device functionality and extending equipment lifespan
- Developed hands-on proficiency in hardware troubleshooting, OS installation, and data management in a fast-paced lab environment

Lab Technician Intern

May 2022 – Aug 2022

Aditi Diagnostics · Hyderabad, India

- Conducted diagnostic laboratory tests including CBP, blood glucose, metabolic panels, and blood grouping, maintaining accurate records across 100+ patient samples.
- Prepared culture media and buffer solutions; performed sterilization, pH calibration, and quality control in a regulated clinical environment.

Medical Assisting Intern

July 2023 – Aug 2023

Primary Health Centre, Serilingampally · Telangana, India

- Supported physicians during community health check-ups and blood donation drives serving 200+ patients; assisted with patient data organization and procedural preparation.

PROJECTS

Community Health Disparities Analysis

Python · Pandas · Matplotlib · Seaborn

May 2026 – Present

github.com/pranavikonigalla/health-disparities-analysis

- Analyzed 209,000+ CDC Chronic Disease Indicators records to uncover geographic and racial disparities in diabetes outcomes — Southern states and Native Hawaiian/Pacific Islander populations show disproportionately high indicators.
- Built 4 original visualizations revealing SDOH patterns across 55 US states and territories from 2015–2022; findings documented in a public reproducible GitHub repository.

Rehab Motion Tracker

Python · MediaPipe · Computer Vision · Startup MVP

Jan 2026 – Present

- Developing an AI-powered pose estimation application that provides real-time physical therapy exercise feedback using MediaPipe, targeting post-stroke and injury rehabilitation patients.
- Conducting user research with physical therapists to validate core assumptions; building toward a B2B pilot with rehabilitation clinics.

LEADERSHIP & INVOLVEMENT

President, Women in STEM Club

2025 – Present

De Anza College

- Lead campus organization making STEM accessible for women, POC, and LGBTQ+ students through speaker events, internship resources, and networking initiatives.

President, Indian Students Association

2025 – Present

De Anza College · Promoted from VP

- Manage sponsorships, logistics, and a team of 10+ for the annual Diwali Celebration and large-scale cultural events fostering cross-campus community.

Co-Founder, Raaga NGO

2021 – 2023

Hyderabad, India

- Co-founded student-led nonprofit delivering food and essentials to 10,000+ underprivileged individuals; organized an open mic fundraiser generating ₹3,00,000 for homeless support.

SKILLS & CERTIFICATIONS

Languages: Python (Pandas, NumPy, Matplotlib, Seaborn, Scikit-learn), SQL, Java, C++, R

Tools: Power BI, GitHub, Jupyter Notebook, MediaPipe, OpenCV, Excel, Figma

Concepts: Exploratory Data Analysis, Statistical Modeling, Data Visualization, Computer Vision, UX Research

Certifications: NVIDIA DLI: Generative AI Explained · Agentic AI Explained · Augment LLM Using RAG · Claude Certified Architect – Foundations (In Progress)