Aaradhya Poudyal

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EDUCATION

University of California, Davis, CA   **Exp. July 2026**
Bachelor of Science in Computer Science
Minor in Technology Management

Berkeley City College, Berkeley, CA   **May 2023**
Associate of Science in Mathematics   *GPA: 3.9*

SKILLS

HTML/CSS, JavaScript, JSX, React.js(Native, Router, Redux), C/C++, Python, Tailwind, Node.js, Bash

EXPERIENCE

City of West Sacramento   **June 2024 - October 2024**
Information Technology Intern, IT Dept.   *West Sacramento, CA*
- Developed a React.js form to automate new hire data collection, extracting relevant information for IT scripts.
- Supported a $3 million technology upgrade by configuring 52 Mobile Data Computers (MDCs), deploying software with PDQ, enabling BitLocker encryption, and managing inventory.
- Led the transition of 150 users from on-premises to cloud-based BeyondTrust software, improving system efficiency.
- Assisted in relocating Detectives, Criminal Investigations, and Records departments, ensuring continued operations during Police Department construction.
- Managed daily IT tasks, including setting up hardware for new hires, writing articles for the city newsletter, and providing tech support for West Sacramento Police, Fire, and Water Treatment Departments.

City of El Cerrito   **June 2022 - December 2023**
Information Technology Assistant, IT Dept.   *El Cerrito, CA*
- Led $50k tech upgrade, replacing desktops with laptops and transitioning phone system to RingCentral.
- Utilized FTK Imager and external bootable devices to securely image compromised systems for forensics.
- Collaborated with cybersecurity experts to assess the City of El Cerrito's cyberattack, while managing user operations for 150 employees across Windows Server, Local AD, Azure, and Sophos AD.

PROJECTS

FlowBook   **Winter 2025 - Present**
BJJ Training Analytics App   *Cross-Platform Mobile App*
- Built an original React Native app that captures BJJ sparring data in 30 seconds via a swipeable carousel system.
- Architected modular components with React Navigation, Context API, and Real-time Firebase integration.
- Designed low-friction UX for fatigued athletes with adaptive question sets (WIN/DRAW/LOSS) with win-streak tracking, 7-day trend analysis, and a central 6-axis spider graph.
- Developed a diary feature to streamline BJJ note-taking, letting users capture reflections alongside their fight logs.
- Shipped core features with Firebase authentication and performance insights highlighting endurance trends and skill gaps; GPT-powered coaching tips planned for future release.

mooSpots   **Summer 2025**
UC Davis Bike Parking Locator   *Front-End Web App*
- Developed a React-based application that helps UC Davis students locate nearby bike parking using geolocation.
- Implemented useState, useEffect, useCallback hooks, and browser Geolocation API to track users' current location.
- Adapted and optimized Haversine formula to identify the 5 closest bike racks from a dataset of 1,000 locations.
- Built search functionality with loading states and developed a nav system linking to Google Maps directions.

Online Udemy Courses

React [Components, state, hooks, Redux, routing, Next.js, authentication, testing]   **72 hours**
React Native - The Practical Guide [2025] [Navigation, Context API, Firebase, Expo, mobile UI/UX]   **29 hours**
Bash [Scripting, automation, loops, functions, text processing, system administration]   **12 hours**