

Sujal Dhakal

US Citizen | hello@suajldhakal.dev | suajldhakal.dev | linkedin.com/in/suajld | github.com/Sectonic

EDUCATION

Georgia Institute of Technology

Expected Graduation, May 2027

Bachelor's of Science in Computer Science

Atlanta, GA

- **Concentrations:** Information Internetworks and Modeling/Simulations
- **Related Coursework:** Data Structures & Algorithms, Object-Oriented Programming, Computing in Python, Discrete Mathematics, Linear Algebra

EXPERIENCE

Freelance Developer

Jan. 2022 – Present

Self-Employed

Remote

- Migrated legacy websites to frameworks like React and NextJS, cutting page load times by up to 8000ms.
- Developed and maintained 15+ custom web applications with Flask and Django, holding a 60% repeat hire
- Enhanced subscription or payment systems with Stripe Connect and PayPal API for 50% of hires

Founder

Aug. 2020 – Sept. 2024

Personality Academy

Remote

- Developed personality education platform with 6 courses & over 50 sections, providing structured learning
- Created database of 2000+ celebrities with assigned personality types, offering video analyses & in-depth content
- Engineered personality typing system to rank 512 personality types on abstract traits, displayed through diagrams
- Integrated accounts for 3,000 users through Google & Discord OAuth and email validation

Chief Technology Officer

May. 2023 – Aug. 2024

Computer Science Youth of America (CSYA)

Remote

- Built the CSYA website with NextJS and Wix Headless, serving 950 students with courses and blogs.
- Led team of 14 to secure \$285K in sponsored scholarships from 10 companies, including Brilliant & Wolfram.
- Trained 4 web developers to work on the CSYA website integrations with Discord, Git, and Google

PROJECTS

Medieval Markets | C#, Unity, Aseprite, Itch.IO

Dec. 2023 – Present

- Created a tile-based game using Perlin noise for map generation & Lindenmayer systems for procedural town paths
- Produced 150 assets, including 100 tiles and 50 sprites for buildings, characters, and environmental elements
- Programmed recursive algorithms for placing map assets, managing NPC behavior in 3 tiers, & market interactions

Check-In | React, NextJS, PostgreSQL, Socket.IO, Tailwind, Vercel

Nov. 2022 – Aug. 2024

- Built an automated attendance manager used by 1,000 attendees in 15 orgs, simplifying tracking with QRs & IDs
- Designed flexible structure for managing meets & events with customizability in reoccurrence, tardies, & statistics
- Implemented real-time dashboard to manage, track, & view attendance with CSV import/export capabilities

HitchHikr | React Native, Flask, Expo, Neon, Socket.IO

Aug. 2023 – Dec. 2023

- Developed a carpooling app allowing users to join driver routes based on proximity and direction dynamically
- Architected route tracking, carpooler-driver interactions, & optimized route suggestions with location data
- Enabled live ride request management, allowing drivers to accept or reject carpoolers with real-time updates

LEADERSHIP

Poudre School District Board of Education

Apr. 2023 – May 2024

Student Leader

Fort Collins, CO

- Conducted workshops and panels to 179 school district boards in the Colorado Association of School Boards
- Chaired bi-weekly meetings with 11 school boards & superintendent to implement policies on counselor aid

TECHNICAL SKILLS

Languages: HTML, CSS, JavaScript, PHP, Python, SQL, Java, C#, C++, MATLAB

Frameworks: React, React-Native, Node, NextJS, Flask, Django, PyQt5, Pandas, NumPy

Technologies: Git, Docker, Socket, Google Cloud, Vercel, Netlify, Heroku, Stripe, Postman, MongoDB