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Technical Experience

Premier Energies

Senior IT Executive   **May 2024- Present**

- Lead Dev- Project LEAF (Logistics Enquiry and Finalization): A Real-Time collaborative Logistics and Vendor Bidding Platform
  a. Developed a real-time auction bidding platform with a seamless user experience, enabling vendors to place and update bids in real-time.
  b. Frontend built using React.js with dynamic data fetching and state management through Axios.
  c. Integrated time-sensitive auction mechanics using Moment.js to handle auction start and end times, ensuring accurate countdowns and bid timings.
  d. Backend powered by Node.js and Express.js, with RESTful API architecture hosted on Render for efficient bid handling and auction management.
  e. Database operations managed via MongoDB Atlas, with real-time bid updates and label assignment based on auction rules.
  f. User authentication and automated emails implemented using Google Auth2.0, allowing vendors to securely log in and participate in auctions.
  g. Continuous bid updates every 5 seconds to reflect the latest vendor offers using a polling mechanism, ensuring a fair and competitive bidding environment.
  h. Deployed the frontend on Vercel for fast, reliable, and scalable performance, ensuring high availability during peak auction times.
  i. Automated email notifications triggered for every bid, keeping admins informed and ensuring transparency in the bidding process.
  j. Admin Dashboard with an intuitive and responsive user interface included for RFQ Creation, Vendor Management, and monitoring of live auctions and vendor bids.
  k. Role Based Access Control to ensure only authorized personnel can make changes to auction settings, raise RFQs and enforce auction rules.
  l. Automated data driven decision making for L1, L2, L3 labels based on vehicle requirement, vendor quote, and vendor performance.

- Solar Panel Quality-Assurance DB Monitoring and Visualization
  a. Live fetch from quality assurance DB using Axios.
  b. Data Visualization using React.js + Chart.js.
  c. Automated CSV data conversion via Python.
  d. Monitoring % of low-quality panels produced across 3 different inspection processes in real-time using data slicing.
  e. Google Auth 20 automated email alert for low quality panel preset threshold.

- Image Compression Webapp:
  a. Designed a user-friendly ux.
  b. Built a robust application that supports bulk image uploads.
  c. Achieved lossless image compression upto 80% using Sharp and Mozjpeg.
  d. Enabled metadata storage via MongoDB to enable retrieval.
  e. Working on automated google cloud platform uploads in specified bucket.

- Revamped Official Website:
  a. Optimized codebase in turn improving Lighthouse score by 20%!
  b. Facilitating migration of contact-us form to MongoDB + Node.js.
  c. Implemented a lead-gen popup form using Node.js backend + React frontend.
  d. Identified and applied over 15+ stylistic updates including collapsible footer, certification validation redirects and content revision.

- Website for Premier Foundation- Charitable Trust:
  a. Built using Astro.js + TailwindCSS.
  b. SEO-heavy with google search console validation.
  c. Lighthouse score of 100/100!
  d. Animated linear gradient of company colors + onscroll sticky header also with animated linear gradient in opposite direction.

Sparks N Sizzles
Frontend Developer   **Jan 2024- May 2024**
- Developed a fully responsive website using CSS media queries that allowed for a seamless viewing experience across all viewports for a fashion jewelry boutique to showcase their product catalog.
- Designed 7 webpages including a landing page, alongside a custom hamburger menu, glass morphism product cards, embedded map, real time & date updating counter, and WhatsApp order contact integration using JavaScript and Tailwind CSS that were all individually tested throughout the software development lifecycle and led to a 30% boost in sales.

Seeds of Success
Software Development Intern   **Aug 2023- Dec 2023**
- Designed and successfully demonstrated a full stack React application that showcased the CARLA chatbot (Campus Assistant for Resources Learning and Accessibility) and provided context aware responses using the OpenAI API to several investors as well as the Minnesota state government.
- Implemented a user-friendly UI/UX design and built a robust MVP application that clearly illustrated how the software would work across every public college website in the state with a student led team with over 30 developers and 6 mentors with industry experience.

Bombay Bar
Web Developer   **May 2023- Sep 2023**
- Designed a fully responsive landing page using CSS media queries for a popular restrobar to drive customer engagement and strengthen the online presence of the business.
- Crafted a customized logo, loading screen, and animated hamburger menu using JavaScript and Tailwind CSS to provide an exceptional UI/UX that is a standalone USP and acts as a clear differentiator when compared to other websites in the same vertical.
- Incorporated an embedded map, and real-time updating online reservation form to streamline table bookings using MySQL.

Insightful (Instagram Data Analysis Tool)
Lead Developer   **Jan 2023- May 2023**
- Developed the only privacy-oriented web application tool for collecting Instagram account analytics on followers and following data already collected by Instagram for both private and public accounts that has been tested by a wide userbase and has a high satisfaction rate.
- Created a custom JavaScript data extraction algorithm to target, scrape, list, and compare the account data provided by the user.

- Conceptualized and executed a secure and robust system that never requires user credentials and collects no user data, setting a new industry standard for data protection and integrity.

Concordia University
Information Desk Assistant **Sep 2021- Dec 2023**
- Utilized the LibStaffer software that linked student IDs to their unique library resource reservation numbers to allow patrons to check out study rooms.
- Utilized the Alma software and preset library guidelines that are being used collectively by libraries across the state of Minnesota to help patrons check out books and other library materials such as chargers, monitors, and so on available at any library in the entire Midwest region.

Peer Tutor **Jan 2020- Dec 2020**
- Provided exceptional quiz preparation and in-person tutoring for the course "Statistics and Probability", resulting in a 20% improvement in quiz scores among students.
- Assisted students with Pearson Lab assignments and assigned course material; provided guidance and support to ensure a steady rise in academic performance with a clearer understanding of topics.

Education
Concordia University Saint Paul **Sep 2019- Dec 2023**
- B.S. in Computer Science, GPA: 3.7/4.0
- Core Coursework: Database Design; Data Structures and Algorithms; Client & Server-Side Web Development; Computer Architecture; Software Engineering; Object Oriented Programming.

Languages and Technologies
- JavaScript (React), Python, SQL, Java, Node.js, HTML5, CSS3, Tailwind CSS, Vite, Astro
- Visual Studio, Git, Android Studio, IntelliJ, Eclipse, Figma
- GitHub, Netlify, Vercel

Certifications
Data Privacy Fundamentals	**Northeastern University**
Information Security	**University of London**
Cybersecurity for Everyone	**University of Maryland**
Introduction to User Experience Design	**Georgia Institute of Technology**
Introduction to Machine Learning	**Duke University**
Introduction to Frontend Development	**Meta**
Data Science Math Skills	**Duke University**
Email Marketing	**HubSpot**

Achievements
- Dean's List Honoree: Maintained a GPA above 3.5/4.0
- Undergraduate Policy Committee Member: Acted as a liaison between the student body and the head of each department to incorporate a tri semester schedule and transition to a 3-credit course standard.
- Student Senate Member: Represented the entirety of student body in weekly meetings and led 10+ bills creating new organizations and assigning an appropriate amount of funding for each one.
- President of the Indian Student Association: Created the ISA with 2 other founding members to give Indian students a space to celebrate their nationality and spread awareness about our culture.
- Summer Senate Member: Selected as one of 14 delegates led by mentor Dave Racer to have meaningful conversations about racism, policing, safety, justice, and Covid-19 with several well-renowned names such as former Mayor of Woodbury, Mary Giuliani Stephens, Executive Director of the Minnesota Board of Public Defense, William Ward, President of the Minneapolis Police Federation, Bob Kroll, and Senators Jim Abeler, Glenn Gruenhagen, and Scott Jensen.