

Yash Jajoria

Front End Developer

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SUMMARY

Versatile and driven Software Engineer with a Master's in Computer Science and practical experience in front-end development, database design, and academic instruction. Proficient in **ReactJS, JavaScript, Python, and SQL**, with a solid grasp of full stack application development. Successfully delivered user-facing web interfaces and contributed to real-world projects during internships and academic work. Known for strong problem solving skills, quick adaptability, and clear communication in cross functional teams.

SKILLS

Programming Languages: JavaScript/TypeScript, Python, C++, SQL
Backend Technologies: RESTful APIs, FastAPI, Microservices, Node.js
Frontend: React.js, Angular, HTML, CSS, Chart.js, Next.js
Databases: PostgreSQL, MongoDB, Redis, DynamoDB
Agile Practices: Sprint planning, Daily stand-ups, Retrospectives, Scrum methodology

EXPERIENCE

Front End Intern • GBCS • Remote

May '24 – Aug '24

- Contributed to the front-end development of SkylIT's aviation fleet management solutions, supporting GBCS Group's mission to streamline global fleet operations.
- Developed modular **ReactJS** components, improving page load times by **30%** and reducing code redundancy.
- Collaborated with cross-functional teams to develop data dashboards, reducing manual tracking by **40%**.

Graduate Teaching Assistant • Adelphi University • Garden City, NY

Aug '24 - May '25

- Assisted in teaching Introduction to Programming course mainly focuses on **Python** to over **16** students per class across two 15-week semesters.
- Graded assignments and projects, providing detailed and constructive feedback.
- Supported the professor in managing coursework and clarifying programming concepts and helped students improve logic-building and debugging skills through one-on-one support.

Student Technologist • Adelphi University • Garden City, NY

Jan '25 – May '25

- Provided technical support for faculty and staff, resolving hardware and software issues across campus systems.
- Assisted with troubleshooting and training on tools such as Moodle, Panopto, Zoom, and Google Meet.

PROJECTS

AIVI (Artificial Intelligence for the Visually Impaired)

- AIVI uses **AI** and a camera to identify objects and audibly guide visually impaired users.
- Built on **YOLOv8**, it detects object type, distance, and direction with text-to-speech output.
- Runs on a **Raspberry Pi** with a USB camera, trained on **500+** images across 7 classes.
- Achieved **75%** accuracy, with future plans for Wi-Fi, voice commands, and more data.
- Employs **Roboflow** for training and annotation, ensuring accurate object detection and performance.

SQL Database System – Alex Apparel Store

- Built a relational database for managing online orders, inventory, and in-store pickups using **MySQL**.
- Enabled real-time inventory tracking and automated stock updates, reducing overselling risk by **80%**.
- Integrated modules for order fulfillment, payment processing, and analytics reporting.

Accessible Website

- Improved web accessibility by implementing alt text, resizing fonts, and applying semantic HTML elements.
- Refactored **CSS** to meet **WCAG 2.1** standards and removed distracting visual elements.
- Developed a custom JavaScript-based GUI enhancement to improve navigation and interactivity.

EDUCATION

Adelphi University • Garden City • NY
Master of Science in Computer Science

3.55 GPA