SOHAM DESAI

River Edge, NJ • US Citizen • desaisoham98@gmail.com • [LinkedIn](#) • [GitHub](#) • [Portfolio](#)

EDUCATION

Rutgers University | Newark, NJ   May 2025
- **B.A. in Computer Science with a Minor in Mathematics**
- Undergraduate Coursework: Advanced data Structure and Algorithms; Software Engineering; Operating Systems; iOS Development; Machine Learning; Programming Languages Concept; Calculus III; Differential Equations; Linear Algebra

Bergen Community College | Paramus, NJ   May 2023
- **A.S. in Computer Science**
- Undergraduate Coursework: Programming C++; Calculus I; Computer Organization; Intro to Linux

SKILLS & CERTIFICATIONS

- **Skills:** Python, JavaScript; HTML; CSS; PHP; React; Express; Node.js; SQL, MongoDB; C++; Java; swift
- **Certifications:** [CodePath](#) Advanced Technical Interview Prep, [LinkedIn](#) Full-Stack Web Application Project, [HackerRank](#) Problem Solving (Basic), [LinkedIn](#) Python Essential Training, [FreeCodeCamp](#) Responsive Web Design, [LinkedIn](#) Software Development Life Cycle

EXPERIENCE

Jasfel Analytics LLC - Software Engineer, Intern | Newark, NJ   October 2024
- Optimized a comprehensive data warehouse using **SQL Server**, reducing data retrieval time by 30% and enabling real-time analysis.
- Deployed an interactive data dashboard with **Plotly** and **Python**, increasing operational efficiency for executive teams by 25%.
- Enhanced **UI/UX with Bootstrap**, improving end-user engagement by 20%.

4-H Youth Development Program- Educator | Newark, NJ   Present
- Guided students in learning programming languages like **Scratch** and **Python**, fostering technical proficiency and problem-solving abilities.
- Organized and conducted interactive science, technology, engineering, and mathematics workshops to enhance critical thinking and teamwork among participants.

CodePath - Tech Fellow | Remote   Present
- Mentored and coached over 20 students in technical interview preparation, improving comprehension of key **data structures and algorithms**, with 75% of participants achieving job or internship offers post-course completion.
- Conducted 30+ mock interviews, providing targeted feedback and strategic guidance, increasing students' problem-solving efficiency and significantly boosting their technical interview readiness.

T3 Creators Collective - AI/AR Instructor | Irvington, NJ   July 2024
- Led an **AI** and **AR** boot camp for 50+ Irvington Middle School students, increasing their understanding of core concepts through hands-on project development.
- Guided students in AR and AI projects, achieving a 100% completion rate and boosting practical skills with real-world applications.

PERSONAL PROJECTS

E-Commerce Website (2024)   [GitHub](#) | [Live Demo](#)
- **Backend Development & Deployment**: Developed a fully functional e-commerce platform using **PHP** and **XAMPP** and deployed it on Infinity Free.
- **Authentication & Features**: Designed a user authentication system allowing customers to browse the store, add items to the cart, and receive email order confirmations using **PHPMailer** upon checkout.
- **Admin Functionality**: Implemented owner-specific features for inventory management, including the ability to add, update, and delete items directly via the website.
- **Integration & Notifications**: **Automated** email notifications for both customers and owners, providing order confirmations and order details.

Full-Stack Blog Web Application Project (2024)   [GitHub](#)
- **Frontend & Backend Development**: Built a dynamic user interface with **React** and developed server-side logic using **Node.js** and **Express**.
- **Database & Authentication**: Managed data storage with **MongoDB** and implemented user authentication using **Firebase Authentication**.
- **Integration & Deployment**: Connected the frontend and backend with **Axios** and deployed the full-stack application on Google Cloud.

Personality Quiz App | iOS Development (May 2024)   [GitHub](#)
- **Multi-Screen App Development**: Created a multi-screen app using **Swift** and **Xcode**, focusing on navigation workflows and user interface design.
- **UIKit & Data Structures**: Utilized the UIKit framework and implemented data structures like enums to manage app logic and outcomes.
- Creativity & Logic: Designed subjective quizzes to encourage creativity in question design and logical mapping of answers to outcomes.

LEADERSHIP & AFFILIATIONS

ColorStack Club - Member | Newark, NJ   Present
- Engage in weekly meetings at Rutgers University-Newark, exchanging knowledge and discussing computer science topics with fellow students, fostering a collaborative learning environment.