

SHEENA GUPTA

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Redmond, WA • Authorized to work in the United States

SOFTWARE ENGINEER

LANGUAGES: JavaScript, Python, SQL, HTML, CSS

FRAMEWORKS/ TOOLS: Flask, Express, React, Redux, Node.js, PostgreSQL, GIT, HTTP, REST API

KEY SKILLS: Pair Programming, Debugging, Deployment, Test Driven Development, Scrum Methodologies

PROJECT EXPERIENCE

TRYGLASSES • React • Node • Redux • Python • Flask • Postgres • HTML5 • CSS3

[Code](#) • [Live](#)

Tryglasses is an e-commerce website specializing in eyeglasses and sunglasses, inspired by GlassesUSA.com.

- Used ReactJS and Redux to dynamically render pages, reducing load times by storing data in state variables.
- Designed splash page with responsive promotional carousel and created streamlined listings view using React useEffect hooks.
- Implemented WTForms on the back end to enhance data validation, safeguard sensitive data, and prevent unauthorized access to restricted features.
- Crafted reusable, modular React components for diverse features, fostering code maintainability and scalability while adhering to the DRY and SRP principles.

SHOPSY • React • Node • Redux • Python • Flask • Postgres • HTML5 • CSS3

[Code](#) • [Live](#)

Shopsy is a clone of Etsy.com – a group project focusing on creating a feature-rich online marketplace.

- Engaged in Agile development, actively collaborating with team members to ensure efficient project delivery while maintaining a clean and organized codebase through effective version control using Git.
- Utilized collaborative issue tracking, wiki documentation, pair programming with VSCode Live Share, and regular code reviews for efficient project management and high-quality code development.
- Conducted testing with Postman to validate the functionality and compliance of endpoints, meeting the defined criteria.

JUZ-BNB • React • Node • Redux • Express • Postgres • HTML5 • CSS3

[Code](#) • [Live](#)

A full stack clone of AirBnB.com where users can create spots, add images, and leave reviews on their favorite spot.

- Integrated user authentication and Bcrypt.js for secure password hashing and a safe and protected user experience.
- Optimized data flow using Express.js and Sequelize enhancing efficiency in handling user interactions and database queries.
- Implemented a PostgreSQL database design to securely store user login information which involved creating models, migration files, and seed data.
- Actively participated in the daily Scrum meetings discussing project progress and optimizing productivity using Kanban cards.

WORK EXPERIENCE

UNIVERSITY OF MUMBAI • Assistant Professor • India

2018

- Delivered lectures to sophomore students on Image Processing with 100% passing result.
- Instructed the labwork in MATLAB and provided hands-on programming assistance to students.

UP TECHNICAL UNIVERSITY • Lecturer • India

2008 – 2012

- Conducted lectures on Data Structures, Data Communication Networks, and Wireless communication, emphasizing a hands-on learning approach through interactive lessons and real-world projects.
- Proactively upgraded my professional knowledge through industry workshops, guest lectures, and conferences, to enrich the educational experience for students.
- Along with teaching, undertook roles such as admission committee member, student counselor, event coordinator, and hostel warden, contributing to the holistic development of students.

EDUCATION

APP ACADEMY • Immersive 6-month Full Stack Web Development course • USA

Jul 2023

UNIVERSITY OF MUMBAI • MS in Electronics with 4.0 GPA • India

Apr 2018

Project: Designed a Video Search Engine with Fused Image and Template Matching techniques improving upon the existing content based retrieval methods. Published the [paper](#) and presented it at an international [conference](#).

CENTER FOR DEVELOPMENT OF ADVANCED COMPUTING • PG Diploma in Wireless Technologies with 3.6 GPA • India

Feb 2008

UP TECHNICAL UNIVERSITY • BS in Electronics with 3.7 GP • India

Apr 2007