

# Noor Dibou

FullStack Developer

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## SKILLS

**Languages:** JavaScript, TypeScript, HTML, CSS, Python, SQL, JSON, EJS

**Libraries and Frameworks:** React, Vue.js, Next.js, Svelte, Node.js, Express.js, Django, jQuery, Leaflet, Tailwind CSS

**Database:** PostgreSQL, MongoDB, MySQL

**Testing and Version Control:** Jest, Chai, Mocha, Git, GitHub

**Other:** REST APIs, Ubuntu, Linux, Stripe, Postman, Visual Studio Code, Microsoft Office

## PROFESSIONAL EXPERIENCE

**Web Developer, National Center for Computational Hydroscience and Engineering  
at University of Mississippi**

**April 2024 – Present**

- Contributed to the development of DSS-WISE, a FEMA-supported flood emergency planning tool (Svelte, Node.js, OpenLayers), and AIMS, a USDA-ARS funded agricultural data management system (Python, Django, Leaflet), focusing on the frontend and enhanced user experience.
- Implemented intuitive interfaces and integrated advanced mapping features, enabling efficient visualization of complex geospatial data for flood modeling and agricultural applications.
- Led the center's website redesign, improving digital presence and accessibility of research information while collaborating with cross-functional teams.

**Freelance Full Stack Developer, UTD Student Organizations**

**August 2023 – April 2024**

- Developed custom, responsive websites for multiple UTD student organizations using Next.js, Node.js, MongoDB, and Tailwind CSS, significantly enhancing their online presence and member engagement.
- Collaborated with club leaders to translate organizational needs into functional web solutions, implementing features such as event calendars, member directories, and content management systems.

**Full Stack Developer, J.P. Morgan Software Engineering Virtual Experience on Forage**

**December 2023**

- Set up a local dev environment by downloading the necessary files, tools and dependencies.
- Fixed broken files in the repository to make web application output correctly.
- Used JPMorgan Chase's open source library called Perspective to generate a live graph that displays a data feed in a clear and visually appealing way for traders to monitor.

## HACKATHONS

**Feeling Friends - School Accessibility App | React, Express, Node.js, MongoDB, Tailwind CSS, Figma, Framer | [Github](#)**

- Won People's Choice award for developing an accessibility app for neurodiverse students, implementing JWT authentication and creating responsive UI components with dedicated interfaces for teachers and students.

**Bottomless Closet | Next.js, TypeScript, TailwindCSS, PostgreSQL, Node.js, Sequelize, Jest | [Github](#)**

- Won 1st place in General Assembly's winter hackathon by redesigning a nonprofit's website, focusing on backend development with PostgreSQL, Node.js, and Sequelize ORM; implemented unit testing with Jest and contributed to frontend development using Next.js, TypeScript, and Tailwind CSS.
- Demonstrated strong teamwork and agile development practices through daily collaborations with UI/UX and development teams, active participation in code reviews, and effective integration of frontend and backend components.

## EDUCATION

**University of Texas at Dallas | Dallas, Texas**

*Bachelor of Science in Biochemistry*

Organizations/Awards: The National Society of Leadership and Success

**General Assembly | Remote**

*Software Engineering Immersive*

Completed an intensive 24-week, 450+ hour program focused on product development fundamentals, object-oriented programming, MVC frameworks, data modeling, and team collaboration strategies. Developed a portfolio of individual and group projects.

## **PROJECT**

**March 2023 - Present**

### **Caffeine Chronicles - Coffee Shop Review App | React, Express, Node.js, MongoDB, Tailwind CSS | [Github](#)**

- Developed and launched a full-stack blog platform using React for the frontend, Node.js and Express for RESTful API implementation, and MongoDB for efficient data storage of posts, comments, and user information.
- Engineered a secure user authentication system using JSON Web Tokens, enabling personalized user experiences including viewing, editing, and commenting functionalities.

### **Time Totes - Ecommerce App | Next.js, TypeScript, MongoDB, Stripe, Tailwind CSS | [Github](#)**

- Engineered and launched a high-performance luxury accessories e-commerce platform using Next.js and TypeScript, implementing server-side rendering and static site generation for optimized loading speeds and SEO.
- Integrated Stripe for secure payment processing and developed a robust product management system using MongoDB for efficient catalog and inventory control.

### **The Dessert Palette - Recipe App | Django, PostgreSQL, Python, Bootstrap | [Github](#)**

- Created a Python-based dessert recipe web application using Django framework and RESTful APIs, integrating PostgreSQL for efficient storage and management of recipes, ingredients, and user data.
- Implemented user authentication and developed advanced features including recipe browsing, search functionality, and filtering options, significantly enhancing user experience and engagement.