

BASIL NOOR

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EDUCATION

Oregon State University

Bachelor of Engineering (B.E) in Computer Science

- cGPA 3.6/4.0 with Dean's Honor Roll (2022)

Corvallis, OR

Sept 2021 – Present

TECHNICAL SKILLS

Proficient: Python, React, JavaScript, HTML, CSS, SQL (MySQL), Tailwind

Exposure: Express.js, Node.js, Chakra UI, MongoDB, Firebase, Bash, C, Docker

WORK EXPERIENCE

Software Engineer (React, MySQL, Node.js, Tailwind, Firebase)

Crofton, MD

7-Eleven

Nov 2022 - Present

- Developed a **web application** to streamline the employee scheduling process for 7-Eleven franchisees.
- Implemented a database to store employee information and allow for easy management of schedules and task assignments.
- Set up a secure login system with different credentials for franchisees and employees using **Bcrypt.js** for encryption, ensuring proper access to administrative features and protecting sensitive employee information.
- Reduced the time franchisees spend creating schedules by **20%** and increased employee efficiency by **25%** through the introduction of the task assigning system.

PROJECTS

Team Randomizer Discord Bot (Python, SQL)

- Engineered a Discord bot that efficiently generates balanced teams based on a weighted skill system.
- Adhered to **Agile** software development methodologies throughout the development lifecycle.
- Utilized Hikari **API** and the Hikari-lightbulb **framework** to establish and make calls.
- Modeled user/game data in **JSON** format and stored the information in an **SQLite** database.
- Ensured quality assurance by conducting comprehensive unit testing and achieving **100%** code coverage.
- Automated team formation process, resulting in a **50%** reduction in team formation time through the implementation of a skill-based system.
- Wrote clear and descriptive docstrings with comments to improve code readability and ease of maintenance.

RankUp Valorant (React, Firebase)

- Deployed an educational website to ease the learning curve for new players in the Valorant community.
- Leveraged **Chakra UI** to implement styling in order to present a consistent and responsive experience.
- Engaged with the Valorant **API** to retrieve and display data and testing calls using **Postman**.
- Leveraged **Git** for version control to effectively manage and maintain different versions of the code, ensuring efficient code management and adherence to best practices for branching and merging.
- Successfully deployed a production build using Google **Firebase**, ensuring reliable and secure hosting.
- Established website compliance standards and optimized website files and code, resulting in a **15%** improvement in website load times.

Exercise Tracker (React, MongoDB, Express.js, Node.js)

- Created a full-stack application with a responsive front end design featuring **CRUD** functionality, enabling users to seamlessly add, remove, and update workout exercises.
- Stored data in a **NoSQL** document-based database, ensuring efficient data retrieval and flexibility in schema design.
- Developed a robust **RESTful API** capable of handling various CRUD operations.

RELEVANT COURSES

Data Structures, Analysis of Algorithms, Web Development, Introduction to Databases, Concepts of Discrete Mathematics and Computer Architecture & Assembly Language, Operating Systems