

Kabir Basnet

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Education

Bachelor of Science in Computer Science

Dec 2023

Towson University, Towson, Maryland

Relevant Coursework: Artificial Intelligence, Cryptography, Database Management Systems, Mobile App Development, Operating systems, Software Engineering, Web Based Programming

Relevant Work Experience

Communication Ambassador/Marketing Analyst

Oct 2022 – Dec 2023

Towson University, Towson, MD

- Conducted data analysis using **Power BI** and Excel, providing data-driven insights that led to a substantial 20% increase in conversion rates
- Developed, edited, and tested email templates, in **Salesforce** and **Slate**.
- Innovated Salesforce campaign strategies, driving a 30% surge in engagement via meticulous segmentation and personalized messaging refinements
- Utilized **Python** scripting to **automate** workflows, reducing data entry time from weeks to minutes

Systems Development Intern

June 2022 – July 2022

Municipal Securities Rulemaking Board, Washington, DC

- Conducted in-depth research on industry-standard documentation tools like **doxygen** and **sphinx**, providing a comparative analysis for the team's consideration
- Presented and demonstrated the functionalities of various documentation tools to facilitate informed decision-making by the management
- Engineered executable **Python scripts** tailored for documentation processes, reducing the learning curve from days to a simple demonstration outlined in the README
- Integrated and streamlined documentation workflows by combining two **PowerShell** scripts into a single, efficient Python script, resulting in a 40% increase in overall efficiency

Projects

Stop Shop (Shopping Addiction Support Web API)

- Collaborated with a **team** of students to develop a Google Chrome web **API extension** that gives users alerts while they spend time on online shopping to help with their impulsive shopping habit
- Utilized **JavaScript** for the frontend, **Node.js** for the backend, and **MongoDB** for the database, resulting in a seamless user experience

Recipe App (Android)

- Designed and implemented a recipe app using **Android Studio**, **Kotlin**, and **SQL** for efficient data management on Android devices. Prioritized a user-friendly front-end design for enhanced usability

Restaurant Order Management System (Database Project)

- Engineered a **MySQL**-based restaurant order management system, optimizing efficiency and streamlining bookkeeping.
- Implemented advanced features, including Excel sheet export summarizing daily orders and total sales, elevating order management.

- Customized for Kathmandu Kitchen, enhancing operations for this Nepali/Indian restaurant in Towson, MD.

TECH Q (Web-Based Q/A App)

- Developed TECH Q, a user-friendly Q/A website catering to tech professionals worldwide.
- Applied technologies like **JavaScript**, **React**, **NodeJS**, and **Firebase** for seamless functionality.
- Facilitated posting and answering queries, offering a beginner-friendly alternative to Stack Overflow.

Nine Men's Morris Guide App (Functional Programming)

- Engineered a functional programming app for Nine Men's Morris, advising optimal moves using **Python**.
- Implemented sophisticated algorithms, including alpha-beta pruning and heuristics, for strategic move suggestions in different game phases.

Password Manager

- Innovated a **React**-based password manager with local data storage, empowering users to organize, manage, and generate passwords.
- Integrated features like customizable password criteria and a copy-to-clipboard function for user convenience.

Technical Skills

Cloud Computing: AWS, Firebase

Database Systems: MongoDB, SQL, MySQL

Mobile Development: Kotlin, Android Studio

Programming Languages: C#, C++, Java, JavaScript, Kotlin, Python

Tools: Git, JIRA, bitbucket

Web Development: ReactJS, Node.js, HTML, CSS

Memberships/Affiliations

Sigma Tau Zeta Theta Associate Chapter, Founding Father

Oct 2021 – Nov 2022

Towson University, Towson, MD

- Elected as the President of Towson Chapter
- Organized fundraising events