

Kusum Gandham

<https://kusumgandham.netlify.app/>

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EDUCATION

- **Rutgers University-New Brunswick**

Bachelor of Science in Computer Science; Minor in Human Resource Management

New Brunswick, NJ

Sept. 2020 – May 2024

- **Relevant Courses**

Data 101, Data Structures, Computer Architecture, Systems Programming, Discrete Structures

PROJECTS

- **HabitHatch!**

April 2023

Tools Used: MongoDB, Express, React, Node, Javascript

- Led the development of a collaborative task planner that incentivizes task completion and tracks rewards through a user-friendly dashboard
- Implemented MongoDB to store user data and integrated an OpenAI API to enhance the user experience
- Developed the project during a 24-hour hackathon and presented a polished and functional product

- **Society Of Woman Engineers Meeting Tracker**

March 2023

Tools Used: mySQL, PHP, HTML/CSS

- Collaborated with the Society of Women Engineers to create a user-friendly meeting sign-up page with a personalized user and admin dashboard for tracking attendance
- Utilized PHP and SQL to store and display user information accurately and efficiently
- Completed and presented the project during a 24-hour hackathon, resulting in a win for the team

- **Sheet Music Converter**

April 2023

Tools Used: Python, MongoDB, Flask, HTML/CSS

- Developed a novel music sheet scanning application that uses computer vision to convert JPEG images into playable MIDI files
- Integrated MongoDB to allow users to save and share their converted files, along with their scanning history
- Completed and presented the project during a 36-hour hackathon, demonstrating a functional and innovative product

EXPERIENCE

- **AmeriDental**

Dental Assistant and Receptionist

North Brunswick, NJ

June 2019 - May 2021

- Processed patient bills and claims to insurance providers
- Scheduled arrangements for appointments and managed specialized referrals
- Assisted with dental procedures and dealt with sanitation of equipment

ACTIVITIES

- **Hackathons:** Has participated in eight Hackathons utilizing different skills in full stack development while collaborating with peers in making a functioning product within a 24 to 36-hour timeframe.
- **First Robotics Competition Semi-Finalist:** Collaborated with other students to build and program a robot for the International FRC competitions

SKILLS

- **Languages:** Advanced SQL, Java, C, R, Python, HTML/CSS, Javascript, PHP, C#
- **Technologies:** Github, Visual Studio Code, MongoDB, R Studio, Unity