

Kusum Gandham

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EDUCATION

- **Rutgers University-New Brunswick** New Brunswick, NJ
Bachelor of Science in Computer Science; Minor in Human Resource Management Sept. 2020 – May 2024
- **Relevant Courses**
Data 101, Data Structures, Computer Architecture, Systems Programming, Discrete Structures, Data Management

PROJECTS

- **HabitHatch!** April 2023
Tools Used: MongoDB, Express, React, Node, Javascript TCNJ
 - 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 Rutgers
 - 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 Princeton
 - 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

- **iLab Assistant** Piscataway, NJ
Rutgers University-New Brunswick September 2023 - Present
 - Maintained a cluster of remotely accessible Linux machines
 - Tutored students in need of assistance in various computer science subjects such as Data Structures
 - Collaborated closely with the Computer Science Department to keep faculty informed about the viewpoints and feedback of current students

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, Python, HTML/CSS, Javascript, PHP
- **Technologies:** Github, Visual Studio Code, MongoDB, R Studio, Unity
- **Certifications:** Harvard CS50x