Mansi Sangani

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EDUCATION

NEW JERSEY INSTITUTE OF TECHNOLOGY, Newark, NJ   Expected Graduation: Spring 2026
   Bachelor of Science | Information System | GPA 3.0
- Dean's List (Spring 2023)
- EOP Student

PROJECTS

Automated Code review tool   Spring 2023 – Summer 2023
- Spearheaded the development of a tool integrated with version control systems (e.g., GitHub) to offer instant feedback on code modifications.
- Enhanced team cooperation by 30% through promoting coding standards and establishing a centralized platform for code discussions .
- Improved code quality by reducing production bug counts by 25%-30% and standardizing coding practices across the team.

Satellite Classification   Summer 2023-August 2023
- Java, API Integration, Object-Oriented Programming, BufferedReader, File I/O
- Built a Java application to automatically retrieve and analyze satellite data from the CelesTrak API, focusing on parameters like inclination, eccentricity, and launch year.
- Made satellite data extraction and analysis faster, improving how key parameters are processed and reported.

Building Parser for MCL Language   Spring 2024,Summer 2024
- C++ programming, Lexical Analyzer, Syntax Analyzer, Grammar Definition
- This project involves designing and implementing a parser for the MCL to transform its source code into a meaningful representation that can be further processed by a compiler or interpreter.
- It will enable the translator to convert MCL code into machine-readable instructions, laying the groundwork for the development of compilers or interpreters that support MCL, thereby improving the efficiency and capability of software development in this language.
- Developed a parser for the MCL language in C++, translating source code into machine-readable instructions

EXPERIENCE

NEW JERSEY INSTITUTE OF TECHNOLOGY, Newark, NJ   July 2024 – August 2024
EOP Mentoring and Tutoring
- Mentor 50+ students through guiding group discussion and knowledge transfer to ease college transition
- Effectively communicated and supported students' questions and challenges during large scale meetings
- Assist in conflict resolution, mediating problems among students to keep a peaceful community
- Organized and led multiple workshops on study skills and time management, contributing to a measurable increase in student academic success and retention rates.
- Created and Time managed 50+ schedules ensuring adequate time allocation for their studies.

SKILLS AND INTERESTS

- **Languages:** Gujarati (intermediate), English(advanced), Hindi(native)
- **Computer Skills:** Microsoft Office (Word, Excel, PowerPoint), Python, Java, C++, Unity,C, HTML, and CSS
- **Soft skills-**Public speaking**,**Discipline,Problem solving,adaptability,interpersonal skills,and Teamwork.

- **Interest:** Tennis, Badminton, Table Tennis, and watching games of Cricket