

Tanix Mandal

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EDUCATION

University of Engineering and Management

Bachelor of Technology (B.Tech) in Computer Science and Engineering

GPA-8.79

July 2024

EXPERIENCE

BiswaGames

April 2024 – Present

VR Gameplay Programmer

- Worked as a gameplay programmer focusing on analytics
- Ensured proper data transmission to analytics platforms
- Developed a Tic-Tac-Toe game in VR
- Performed UI integration

PROJECTS

Game Development - Echoes Of Eternity | Unity, Blender, Git

[Youtube](#) [Download](#) [GitHub](#)

- **Integrated spawn mechanism of Animal** within the **Unity game environment.**
- **Health And Damage System** for the character in **Unity game environment.**
- made **Props and Object** for the game
- made **terrains and levels** for the game

Social Media Website Development | HTML, CSS, JavaScript, JSP, AJAX, Oracle

[Github](#)

- Implemented **features** including the ability to **send friend requests.**
- Enabled users to **share** their daily **activities through wall posts.**
- implemented **one-to-one messaging functionality** for direct communication between users.

TrendCatcher | Selenium, BeautifulSoup, MongoDB, Python, Gradio, and BardTokenizer.

[Github](#)

- Develop TrendCatcher, a **project utilizing Selenium, BeautifulSoup, MongoDB, Python, Gradio, and BardTokenizer for comprehensive trend analysis.**
- Implement web scraping on three platforms (Twitter, Pinterest, and threaded discussions) to gather trending words. **Utilize Selenium for automation in the data collection process.**
- **Employ BeautifulSoup to extract relevant posts and information from the scraped data.**
- **Implement Gradio for the frontend, providing a user-friendly interface for interaction.**
- **Apply Kmeans Clustering to categorize and cluster trending topics efficiently.**
- **Integrate MongoDB for efficient storage and retrieval** of the collected and processed data.
- **Capture and display a screenshot of the trend graph** from Google Trends for enhanced visualization.

ACHIEVEMENT

- **400+** question solved in LeetCode
- Earned a **5-star** rating on HackerRank in the **Python** programming language.
- Achieved a **4-star** rating on **HackerRank** in the Java programming language.

TECHNICAL SKILLS

Programming Languages:: Java,Python

Web Development: JSP,J2EE, Node Js,Express Js, HTML5, CSS3

Database Management: SQL,MongoDB

API: REST

Development Tools: Unity, XAMPP, Tomcat, Selenium

Subjective: Automata, Operating System, DBMS,Data Structure and Alogaritham, Computer Network, Object Oriented Programming,Data Analytics

Version Control: Git