

# Prajval Mathur

Lubbock, TX 79401 • pmathur@ttu.edu • 502-232-0271  
LinkedIn: [www.linkedin.com/in/prajval-mathur-602444309](https://www.linkedin.com/in/prajval-mathur-602444309)

## EDUCATION

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| <b>Texas Tech University</b> , Lubbock, Texas   | 2021- 2025 |
| <i>Majoring in Bachelor of Computer Science</i> |            |

## PROJECTS

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| <b>Voting System Development</b> | 2023 |
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- Developed a Java-based voting system modeled on US elections.
- Designed and implemented the core architecture of the system, including key classes, methods, and constructors, ensuring logical functionality and efficiency.
- Developed methods for ballot creation, and vote tallying, employing encapsulation and inheritance principles.
- Delegated specific coding tasks to team members to ensure efficient collaboration and fair contribution from each member.
- Conducted rigorous testing and debugging to ensure the reliability and accuracy of the voting system.

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| <b>Data Analysis and Visualization Project</b> | 2021 |
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- Collaborated with a team to analyze and interpret a complex data set using Pandas.
- Utilized Python to effectively represent and visualize the data, making it easier to analyze and understand.
- Focused on creating meaningful data visualizations to present useful insights to potential clients.
- Gained valuable experience in teamwork, data representation, and client-oriented data presentation.

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| <b>Concrete Flood Prevention Plan</b> | 2022 |
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- Collaborated with a team of six in the "Bio-Inspired Design" course to develop innovative solutions for preventing urban floods using concrete.
- Conducted research and statistical analysis to support informed decision-making within the group.
- Presented key findings and explained the final design, showcasing the depth of research and the effectiveness of the proposed solution.
- Entered and organized research data into a shared document for team use.

## SKILLS

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- **Proficient with Windows OS and Microsoft Office Suite:** Skilled in utilizing Microsoft Excel, Word, PowerPoint, and other Office applications for a variety of professional tasks.
  - **Strong Adherence to Instructions:** Highly capable of following detailed instructions and protocols to ensure accuracy and consistency in project execution.
  - **Programming Knowledge:** Solid foundational understanding of programming languages including C, Python, Java, HTML, and JavaScript.
  - **Advanced Problem-Solving Abilities:** Exceptional at identifying issues, analyzing potential solutions, and implementing effective resolutions.
  - **Adaptability to New Technologies and Concepts:** Quickly grasps and integrates new information and technologies, ensuring continuous improvement and innovation.
  - **Effective Team Collaboration:** Excel at working within diverse teams, contributing positively to group dynamics and achieving common goals.
  - **Excellent Communication Skills:** Able to clearly and appropriately communicate with team members, ensuring efficient collaboration and project success.