

# Zilmil Dave

## Achievements

1. Developed a novel, multi-threaded image processing algorithm resulting in a 40% increase in processing speed compared to existing solutions, as demonstrated in the final project for CS345: Advanced Algorithms. This was implemented using C++ and optimized for parallel processing on a multi-core architecture.
2. Successfully designed and implemented a fully functional, client-server based chat application utilizing secure socket programming and incorporating features such as user authentication, private messaging, and file transfer, as showcased in the capstone project for CS499: Software Engineering. The application demonstrated a robust and scalable architecture capable of handling concurrent users.

## Skills

- \* Proficiency in at least one programming language (e.g., Python, Java, C++)
- \* Data structures and algorithms
- \* Database management (SQL, NoSQL)
- \* Software development lifecycle methodologies (Agile, Waterfall)
- \* Version control (Git)

## Personal Info

Name: Zilmil Dave

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College: Army Institute of Technology (AIT)

## Career Objective

To obtain an entry-level software developer position leveraging my skills in programming, data structures, and database management to contribute to innovative projects. Seeking a challenging role where I can apply my knowledge

of Agile methodologies and version control within a collaborative team environment.