

# MITHUN DUTTA

📍 Howrah, India    ✉ mithundu632@gmail.com    ☎ 9382565031    in Mithun Dutta    🌐 MithunDu404    🔗 [LeetCode](#)    🍳 [CodeChef](#)    📊 [Codeforces](#)

## EDUCATION

**Indian Institute of Engineering Science and Technology, Shibpur** *Aug 2023 – Present*  
*B.Tech in Computer Science and Technology*  
CGPA: 8.67/10.0  
**Relevant Coursework:** Data Structures, Algorithms, Theory of Computation, Digital Logic, Computer Organization  
**Jateswar High School** *2020 – 2022*  
Higher Secondary Education – Percentage: 84%  
**KhirerKote High School** *Completed 2020*  
Secondary Education – Percentage: 90.3%

## COMPETITIVE EXAMINATIONS

**JEE Main: 97.5 percentile** *2023*  
**WBJEE: Merit Rank 679** *2023*

## HACKATHONS & EXPERIENCES

**Amazon HackOn Season 5** *2025 – Present*

- Selected for the assessment round from thousands of participants nationwide
- Created and presented a comprehensive project presentation for evaluation
- Currently progressing through multiple evaluation stages of the competition

## PROJECTS

**Path Visualizer Program** [LINK](#)

- Developed an interactive pathfinding simulator using Pygame that integrates multiple algorithms including Dijkstra's and A\* with comprehensive performance analysis capabilities.
- Designed a user-friendly interface that allows for custom obstacle placement and provides real-time visualization of algorithm execution.
- Created an excellent educational tool for understanding pathfinding concepts and algorithm efficiency through dynamic visual representations.

**Sorting Algorithm Visualizer** [LINK](#)

- Developed Python visualization tool demonstrating sorting algorithms through real-time dynamic representations
- Created interactive controls for adjusting array sizes and sorting speeds with a user-friendly interface
- Implemented comprehensive testing protocols ensuring algorithm accuracy across diverse data distributions

**Optimal Path Coverage System (Mini Project)** [LINK](#)

- Engineered campus maintenance system using modified Dijkstra algorithm with multi-factor route optimization
- Developed automated daily simulation updating campus data and selecting high-priority cleaning routes
- Enhanced system reliability with backup/restoration features for seamless real-time data management

## TECHNICAL SKILLS

**Programming Languages:** C, C++, Python, JavaScript  
**Web Technologies:** HTML, CSS, JavaScript, Flask  
**Database:** MongoDB  
**Development Tools:** Jupyter Notebook, Git, GitHub  
**Cloud & Deployment:** Render  
**Areas of Expertise:** Data Structures and Algorithms, Competitive Programming, Path Finding Algorithms, Web Development

## COMPETITIVE PROGRAMMING

**LeetCode:** Top 16.52% globally with a rating of 1658; solved 440+ problems; consistent problem solver  
**Codeforces:** Achieved a maximum rating of 1295; completed 280+ challenges  
**CodeChef:** 3-star coder with maximum rating of 1618  
**Overall:** Solved 750+ Data Structures and Algorithms problems across competitive platforms