AMIT KUMAR SHAW

Kolkata, West Bengal

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Professional Summary / Profile

- B.Tech IT student with strong expertise in DSA, web development, and machine learning. Solved 600+ coding problems, actively participate in competitive programming, and passionate about building impactful projects using modern technologies. Adept at problem-solving, coding contests, and delivering projects with clarity and efficiency.

Education

Future Institute of Engineering and Management

B.Tech in Information Technology   *01/08/2022 – 31/07/2026*

Coursework / Skills

- Data Structures & Algorithms
- Computer Networks
- OOP Concepts
- Operating Systems
- DBMS
- Web Development

Projects

ATM-Management-System | Java
– Developed a secure banking simulation system with withdrawal, deposit, and account management functionality.

Generative Texts Mini Project | Python
– Built a real-time chatbot using NLP and command parsing; achieved 37 percent accuracy in text response handling.

DATA VISUALIZER | Java
– Communicated complex data with clear, intuitive visualizations.

Machine Learning / AI Projects

EUPHORIA-GENX

Python Integration with AI   *May 2024*

– Titanic survival prediction using machine learning models.

Technical Skills

Programming Languages: Python, Java, C, C++, HTML, CSS, JavaScript
Developer Tools & IDEs: VS Code, Android Studio, IntelliJ IDEA
Software Design: Low Level Design(LLD) & High Level Design(HLD)
Technologies & Frameworks: ReactJS, Linux, Git, GitHub

Key Competencies / Core Skills

Core Competencies: DSA, Problem Solving, Competitive Programming, Web Development, Machine Learning, Python, Java, ReactJS, Git & GitHub.

Achievements

- Solved 600+ DSA problems on LeetCode and GeeksforGeeks, demonstrating strong problem-solving skills.
- Achieved 1760 GFG contest rating, improving from 1568 to 1760 within 5 months through consistent practice.
- Secured 1777 LeetCode contest rating, placing in the top 8 Percent of participants globally.
- Participated and Cleared first round of SIH(Smart India Hackathon)
- Secured First Place in College Hackathon.
- Secured First Place in College in Academic Year 2025-26.

DSA Practice Competitive Coding

- Completed Striver's A2Z DSA Sheet, demonstrating mastery across core data structures and algorithms.

- Solved NeetCode 150 and Blind 75 problem sets, covering a wide range of coding patterns.

- Regularly participated in virtual contests, honing problem-solving speed and competitive programming skills.

Certifications

DSA - Udemy

Online Certification   *May 2024*

– Mastered sorting, searching, recursion, trees, and algorithm optimization; applied concepts in 600+ coding problems.

Extracurricular

State Level Hockey Player

Athlete

– Represented West Bengal in state-level tournaments; Team Captain.

Private Tutor

Self-Employed

– Mentored 90+ students in programming, enhancing communication and leadership skills.

Online Presence / Portfolio Link

- **GitHub:** LINK

- **LinkedIn:** LINK

Hobbies & Interests

- Reading – Tech blogs, startup culture, and AI trends.

- Gaming – Strategy and puzzle games for cognitive training.

- Enthusiastic learner, always eager to acquire new skills and knowledge.