

AMIT KUMAR SHAW

Kolkata, West Bengal

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Professional Summary / Profile

- Aspiring Software Engineer (SDE) with strong expertise in Data Structures & Algorithms (700+ problems solved) and proficiency in Java, Python, C++, and Web Development (ReactJS, JavaScript, HTML, CSS, MySQL). Skilled in problem-solving, competitive programming, and software development, with a passion for building scalable and efficient applications.

Education

Future Institute of Engineering and Management

B.Tech in Information Technology

Aug 2022 – Jul 2026

Coursework / Skills

- | | | |
|--------------------------------|---------------------|-------------------|
| • Data Structures & Algorithms | • Computer Networks | • OOPs Concept |
| • Operating Systems | • DBMS | • Web Development |

Projects

Online Health CheckUp | Python

- Developed an interactive health checkup application using Streamlit that enables users to input symptoms and receive real-time diagnosis suggestions
- Engineered a predictive SVM model (trained with scikit-learn) for disease prediction, utilizing pandas for data processing and saved with joblib for quick inference.

My Portfolio | Web Dev

- Designed and developed a responsive portfolio website to showcase projects, technical skills, and achievements using ReactJS, HTML, CSS, and JavaScript
- Deployed the application on Vercel, ensuring high availability and accessibility across devices.

Industrial Training Projects

Titanic Survival Prediction

- Python Integration with AIML

Mar 2025

Real Time Train Booking

- Web Development

Aug 2024

Technical Skills

Programming Languages: Python, Java, C, C++

Web Technologies: HTML, CSS, JavaScript, ReactJS, NodeJS

Databases: MySQL, DBMS

Developer Tools: Git, GitHub, VS Code, IntelliJ, PyCharm, Android Studio

Concepts: DSA, OOP, Operating Systems, Computer Networks, Low-Level Design

Achievements

- Solved 700+ 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.
- Secured First Place in College Hackathon.

DSA & Competitive Coding

- Completed Striver's A2Z DSA Sheet and solved NeetCode 150 Blind 75 problem sets, demonstrating mastery of core data structures, algorithms, and diverse coding patterns..
- Regularly participated in virtual contests, honing problem-solving speed and competitive programming skills.

Key Competencies / Core Skills

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

Soft Skills & Extracurriculars

Communication & Mentoring — Tutored 90+ students in programming and DSA.

Adaptability — Applied new technologies (ReactJS, Flask, scikit-learn) in projects and hackathons.

Time Management — Balanced academics, coding contests, and project deadlines effectively.

Leadership — State-Level Hockey Captain, representing West Bengal and leading the team with discipline and teamwork.

Certifications

DSA - Udemy

Online Certification

May 2024

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

Hobbies & Interests

- Reading – Tech blogs, startup culture, and AI trends.
- Enthusiastic learner, always eager to acquire new skills and knowledge.