



AMAN DAS

Address: 64/3 Middle Road, Anandapuri, Barrackpore, Kol-700122
Phone: +91-8902574799
Email: ad8073513@gmail.com
LinkedIn: [/aman-das03](https://www.linkedin.com/in/aman-das03)

SUMMARY

Highly motivated B.Tech Computer Science Engineering graduate with a solid foundation in programming, database systems, and data structures & algorithms. Possesses strong problem-solving abilities and a keen interest in building efficient, scalable software solutions. Actively seeking a Software Developer role to apply technical skills, contribute to meaningful projects, and gain hands-on experience across the full software development lifecycle. Known for a proactive mindset, adaptability, and a creative approach to learning and implementing emerging technologies.

PROJECTS

Dec 2025 - Jan 2026

Youtube MP4/MP3 Downloader

Built a full-stack YouTube Downloader web application using Flask and yt-dlp, supporting high-quality MP4 video (with merged audio) and MP3 audio downloads via FFmpeg. Implemented background processing with real-time progress tracking, task-based download management, and secure cookie handling for restricted content. Designed a modern, responsive UI with live status updates, progress bars, and optimized user experience

Oct 2025 - Nov 2025

India AQI Visualization Dashboard

Developed an interactive air quality analytics dashboard using Python, Plotly Dash, and Pandas to visualize India's AQI trends (2022–2025) from a Kaggle dataset. Implemented advanced charts, heatmaps, and pre-aggregated data pipelines to create a fast, efficient visualization workflow that significantly improves load times and user interaction. Power BI-style web dashboard showcasing strong skills in data visualization.

Aug 2025 - Sep 2025

BMI Calculator

Built and deployed a responsive BMI Calculator web application using HTML, CSS, and JavaScript, implementing real-time BMI computation, Metric/Imperial unit conversion, animated SVG-based gauge visualization, and light/dark theme management. Optimized with a mobile-first, accessible UI, smooth state-driven updates, and performance-focused layout handling across screen sizes.

Dec 2024 - May 2025

TubiLearn: Predictive Analysis of Tuberculosis Using ML

Engaged with global researchers, discussing the role of AI in medical diagnostics and its impact on resource-limited settings. Developed and implemented a machine learning model for early TB detection, using XGBoost, Random Forest, and KNN. Presented research paper "TubiLearn: Predictive Analysis of Tuberculosis Using Machine Learning" at ICCECE 2025. Received Best Certificate of Presentation, recognizing contributions to AI-driven tuberculosis detection research.

Jun 2024 - Oct 2024

Nutrition Recommendation System

Building a web-based system using Flask and Pandas to provide personalized nutrient and food recommendations for various diseases from a CSV database. Designed a responsive UI and optimized data filtering to deliver targeted dietary guidance, showcasing skills in backend development and data handling.

EDUCATION

Bachelor of Technology (B.Tech), Computer Science and Engg.	Oct 2021 - Jun 2025
Narula Institute of Technology	
CGPA: 8.55	
Higher Secondary	Mar 2019 - Apr 2021
Bholananda National Vidyalaya	
Aggregate - 82%	
Matriculation	Mar 2018 - Apr 2019
D.A.V Public School	
Aggregate - 89%	

ADDITIONAL INFORMATION

- **Technical Skills:** Python & ML, Java, HTML,CSS & JavaScript, SQL, DBMS, Microsoft Office Suite, Google Colab, VS Code, GitHub.
- **Languages:** English, Bengali, Hindi.
- **Certifications:** Introduction to Cybersecurity Tools & Cyberattack, Machine Learning with Python, Interactive Programming in Python .
- **Awards/Activities:** Best Presentation Certificate for our research paper TubiLearn in ICCECE,2025, Seminar On Cybersecurity, Got goodies in Hacktoberfest, 2022&2025 .