

Abhik Das

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EDUCATION

Jenkins School, India	2011 - 2021
Completed (Grades 3-12)	
University of North Bengal, India	Jul. 2022 - Jun. 2025
Bachelors of Computer Application	

PROJECTS

Crypto Utils React	Link
<ul style="list-style-type: none">Built an encryption toolkit with React, leveraging CryptoJS for AES and DES encryption in CBC and ECB modes, alongside SHA-256, SHA-1, and MD5 hashing functionalitiesEnabled encoding and decoding between formats such as UTF, Base64, Hex, and Binary.Key Technologies: React, Tailwind CSS, CryptoJS, Webpack, Babel	
Shark Calculator	Link
<ul style="list-style-type: none">Developed Shark Calculator, a multifunctional tool inspired by Shark Tank, combining a basic calculator with an advanced ledger and will add UPI transaction viewer for shop owners' financial management.Vite, IndexedDB for persistent ledger data storage.	
Other Projects	
<ul style="list-style-type: none">TSP Solver ↗ : Solve TSP: Efficiently computes the shortest path visiting all cities, Visual Results: Displays the shortest route and total cost on an interactive mapOTP And File Management BOT ↗ : Developed a Python Telegram SMS bot with OTP retrieval, file management system, and country selection efficient processing	

TECHNICAL SKILLS

Programming languages: C, C + + , Java, Python	Web Technologies: React, NodeJS, Flask
Database management: MySQL	Miscellaneous: Bash, Git
Web servers: Apache	Security: IDA, Ghidra, Frida, R2Frida

RELEVANT COURSEWORK

Android Application Security ↗ : Completed a course in Android Application Security, gaining proficiency in tools such as Frida, Jadx, JD-GUI, Objection, and Radare for dynamic instrumentation, reverse engineering, and binary analysis.
IOS Application Security ↗ : Completed a course in iOS Application Security, covering topics such as pointer authentication, basics of iOS security, jailbreaking, static analysis of iOS applications, intercepting network traffic, and reverse engineering Swift apps using tools like Frida.