

ACADEMIC QUALIFICATION			
Year	Degree/Certificate	Institute	CPI/%
2024	B.Tech	Indian Institute of Technology, Kanpur	6.6/10.0
2018	Class XII(CBSE)	BSN Academy, Kota	84%
2016	Class X(CBSE)	Patna Central School, Patna	10/10

ACHIEVEMENTS	
<ul style="list-style-type: none">Achieved an A* grade for exceptional performance in Welding Technology (ME692A) and Basic Inorganic Chemistry (CHM242A)Scored an impressive 116 out of 120 in the JEE Mains mathematics section, standing out among the over 1.2 million aspirantsEarned medal from Allen Career Institute for placing in the top 20 on the SCORE Exam	

KEY PROJECTS	
Cloud Computing Project: "Guess the Capital"  Self Project (Jan'25)	

Objective	Deploy a cloud-based web application that challenges users to guess the capital of a country from four choices, leveraging containerization and cloud deployment technologies
Approach	<ul style="list-style-type: none">Cloned the source code repository for the applicationBuilt and containerized the application using Docker, creating a lightweight and portable deployment packageDeployed the container locally using Docker for testing and verificationTagged and pushed the Docker image to IBM Cloud Container RegistryDeployed the application on IBM Code Engine, utilizing its serverless capabilities to ensure scalability and cost-efficiency
Result	Successfully deployed a fully functional web application on the cloud, improved my understanding of IBM Cloud services, Docker, and the end-to-end process of deploying applications in a production-like environment

Static Site Generator  Self Project (Dec'24)	
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Objective	Develop a Static Site Generator (SSG) that converts plain text and structured content into pre-rendered HTML pages, focusing on modular design and reusable components
Approach	<ul style="list-style-type: none">Static Sites: Designed the foundational structure and workflow for generating static websitesImplemented a system to parse and organize content into a hierarchical node-based format for efficient transformationBuilt functionality to handle inline content formatting, such as text styling, links, and inline mediaDeveloped reusable block components to render structural elements like headers, paragraphs, and listsIntegrated all components into a cohesive static site generator capable of building complete websites with multiple pages
Result	Delivered a modular and extensible Static Site Generator, capable of producing fully functional, pre-rendered HTML websites. This project enhanced my skills in content parsing, modular programming, and static website architecture, showcasing an understanding of both front-end and back-end concepts

CERTIFICATIONS		
Boot.dev's Learn Data Structures in Python Course	Boot.dev's Build Asteroids using Python and Pygame Course	Boot.dev's Learn Algorithms in Python Course
Boot.dev's Learn Functional Programming in Python Course	Boot.dev's Learn Git Course	Boot.dev's Learn Object Oriented Programming in Python Course
Boot.dev's Learn Shells and Terminals Course	Boot.dev's Learn to Code in Python Course	Introduction to Cloud Computing

TECHNICAL SKILLS	
Category	Skills
Programming Languages & Frameworks	Python (Proficient), Shell scripting (Intermediate), Pygame for game development
Version Control & Collaboration Tools	Git and GitHub (branching, merging, rebasing, workflows)
Software Development	Object-Oriented Programming (OOP), Functional Programming (closures, currying, decorators), Debugging and Testing
Data Structures & Algorithms	Stacks, Queues, Linked Lists, Binary Trees, Graph Traversals (BFS/DFS), Sorting Algorithms, P vs NP
System Operations & Tools	Filesystem navigation, permissions management, package installations, command-line tools

EXTRACURRICULAR ACTIVITIES	
<ul style="list-style-type: none">Volunteered at Antaragni'19 overseeing event security operations for a 10000+ attendee, enhancing safetyWon Intra-Hall Volleyball Competition in Hall 2 (2023), demonstrating teamwork, strategic thinking, and athletic ability.Actively participated in NSS activities to contribute to keeping our society clean and environmentally friendly	