

Natansh Kapil

Portfolio

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OBJECTIVE

Aspiring software developer with a robust foundation in Data Structures and Algorithms, actively seeking opportunities to showcase proficiency in programming languages, logical reasoning, and problem-solving skills through engaging projects and real-world applications, aiming to contribute effectively to software development teams by consistently delivering efficient, reliable, and scalable solutions.

EDUCATIONAL QUALIFICATION

Examination	University	Year	% / CGPA
• B.Tech (CSE)	Galgotias University, Greater Noida	2023 - Present	8.05 CGPA
• Diploma (CSE)	Quantum University, Roorkee	2020 - 2023	75.5 %

INTERNSHIP

InternCertify

Algorithm Trainee

[Aug'24 - Oct'24]

- Solved 200+ algorithmic problems (DP, recursion, graphs).
- Developed interactive visualizations using Streamlit to simplify algorithm complexity.

Skilienza

Frontend Developer Intern

[May'21 - July'21]

- Built responsive portfolio (HTML/CSS/JS), increasing recruiter interaction by 40%.
- Maintained Lighthouse scores consistently over 98 for performance and accessibility.

Google Cloud Program

Cloud & ML Intern

- Both tracks (Machine Learning and Cloud Computing) were successfully completed. [Dec'21 - Jan'22]
- Completed cloud engineering track (Data Science & Machine Learning). [Oct'20 - Nov'21]

Hebeon Technologies

C Programming Intern

[May'20 - Aug'21]

- Developed a scientific calculator program utilizing extensive math.h library functions to implement advanced mathematical operations.

SKILLS

Technical Skills

- **Programming languages:** C, C++, Java and Object Oriented Programming (OOP).
- **Web Development:** HTML5, CSS3, React.js, Git, Netlify
- **Tools:** Github, Vscode, Tinker.
- **Core Competencies:** Data Structures & Algorithms, CI/CD, REST APIs, Embedded Systems (Arduino)

Subjects Known

- Computer Architecture and Organisation, Operating System.
- Compiler Design and Theory of Computation.
- Data Structure and Algorithm.

LEADERSHIP & ACHIEVEMENTS

- Led agile team (3 members) for e-commerce project; streamlined Git and CI/CD workflows.
- Mentored juniors in algorithmic problem-solving; improved their coding efficiency by 50%.

MAJOR PROJECTS

- Smart Home Automation System using Arduino

[Jan'25 - Feb'25]

 - **Technology Used:** Arduino, C++, Bluetooth (HC-05), DHT11 Sensor, Relay Module, Embedded Systems
 - **Tools Used:** Embedded System, Circuit Design Tool (Tinker), Multimeter
 - Built automated safety system with Arduino, MQ2 gas sensor, LDR, servo motor.
 - Ensured reliable responses (95%+) in tests for gas leaks and lighting changes.
- E-Commerce Website

[March'23 - May'23]

 - **Technology Used:** HTML & CSS
 - **Tools Used:** VS-Code, Github
 - Developed E-Commerce website for anime merchandising allows fans to browse and purchase products.
- Portfolio

[May'21 - July'21]

 - **Technology Used:** HTML & CSS
 - **Tools Used:** VS-Code, Github
 - Developed a portfolio that showcases one's skills, projects and experiences.

CERTIFICATION

- The Website Makers - Data Structures & Algorithms

[Aug'24 - Oct'24]
- AICTE - Network Security Associate Virtual Internship

[July'24 - Sep'24]
- Google Cloud - 30 Days GCP

[Dec'21 - Jan'22]
- Skillenza - Web Development

[May'21 - July'21]
- Hebeon Technologies - Problem Solving in C

[May'20 - Aug'20]

DECLARATION

I hereby declare that the information mentioned above are correct to the best of my knowledge.

Place : Greater Noida

Natansh Kapil