Abhinav Kumar

Abhinav_kumar | LinkedIn

Email:abhinavkumar1254@gmail.com

Mobile: +91 7597854858

EDUCATION

Techno India University	Kolkata, India
Bachelor of computer science and engineering;	June 2021 - July 2025
Bharat Bharti Devi Public School	Godda, India
High school; Percentage: 73%	August 2019 - May 2021

SKILLS SUMMARY

- **Languages:** C++, Python, SQL
- **Web technologies:** HTML, CSS, Javascript
- **Technical skill:** Data structures and algorithms
- **Tools:** Excel, PowerPoint, Ms word, MySQL, StarUML, Github
- **Platforms:** Jupyter Notebook, Visual Studio Code

PROJECTS

Online Examination System:
- Developed a system to manage online exams with features like random question generation and automatic grading.

Sorting Algorithm Visualizer:
- Build a web-based visualizer for different sorting algorithms (e.g:-quicksort, mergesort).
- Use HTML, CSS, and JavaScript to create an interactive tool that showcases how each algorithm works.

My portfolio:
- Created a portfolio to showcase my projects and skills.

Adaptive Headlight System, IOT Project(Arduino Uno, Transistor, Photoresistor, 12V led):
- Developed an adaptive headlight system that adjusts brightness based on ambient light conditions, enhancing safety and reducing glare for other drivers.

Embedded system and robotics, implemented bit masking behaviour on Atmega 2560 on two leds |Project:
- Designed a project to portray bit masking behaviour on an ATmega 2560 using two animated LEDs

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ACHIEVEMENTS

- Completed an internship at Celebal technologies in "Cloud infra & Security".
- Completed a NPTEL course in Data science for engineers.
- Completed my IBM skillsbuild program in "Artificial intelligence and fundamentals".
- Completed embedded system and robotics conducted by E-Yantra | Certificate
- IoT Technothon participated in an Iot hackathon.