SHUBHAM KUMAR

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○ https://github.com/kshubham767

EXPERIENCE

FrontEnd Web Developer
Indian Institute of Technology Patna

📅 December 2022 – February 2023   📍 Remote

- Developed a fully functional regular, responsive website for the research team EVXplorer.
- Technology used: HTML, CSS, Bootstrap, Javascript, API

PROJECTS

EVXplorer
Internship Project

- This website is for a research group EVXplorer that works in the field of developing optimization algorithms for Electric Vehicles
- `https://evxplorer.co.in/`

Network Simulator
Semester Project

- Implemented a multi-layered approach mirroring the TCP/IP model, encompassing the Physical Layer, Data Link Layer, Network Layer, Transport Layer and Application Layer.
- Developed and integrated two distinct application layer protocols, DNS and HTTP, utilizing C++ libraries for seamless implementation
- `https://github.com/kshubham767/TCP-IP_Stack`

Line Encoder & Decoder
Semester Project

- Developed a Line Encoder and Scrambler Program.
- Implemented various line encoding schemes (NRZ-L, NRZ-I, Manchester, Differential Manchester, AMI) and scrambling techniques (HDB3, B8ZS).
- `https://github.com/kshubham767/Line-Encoder-Decoder`

EDUCATION

B.Tech in Information Technology
National Institute of Technology Srinagar

📅 2021 – 2024   CGPA:8.825

B.Tech in Electronics & Communication
National Institute of Technology Srinagar

📅 2020 – 2021   CGPA:9.1

Class XII
Acharya Shri Sudarshan Patna Central School, Patna

📅 May 2019   88%

Class X
Acharya Shri Sudarshan Patna Central School, Patna

📅 June 2017   CGPA:10

SKILLS

C/C++ Java Python HTML
CSS Bootstrap Framework Javascript
Git Problem Solving Hadoop
Latex SQL NodeJs ExpressJs
MongoDB OpenGL

COURSEWORK

- Data Structures and Algorithms
- Object-Oriented Programming
- Theory of Computation
- Computer Networks
- Operating Systems
- Database Management Systems

ACHIEVEMENTS

- Achieved **3rd rank in the IT branch**
- GeeksForGeeks - **Top 10 in NIT Srinagar**
- Achieved **a rank of 918 in Codekaze June'23 Round 2**
- Achieved **a rank of 2556 in GoogleCodeJam Farewell Round A**

CERTIFICATES

- **Mastering DSA using C and C++**
  `https://www.udemy.com/certificate/UC-d0d125e5-2bab-4110-83d8-308ee5547a4c/`
- **Problem Solving (Intermediate)**
  `https://www.hackerrank.com/certificates/c2fafe0da96b`
- **Responsive Web Design**
  `https://freecodecamp.org/certification/fcc5a3bc5df-2d35-4cec-a782-09e78b6ac0c4/responsive-web-design`
- **Certificate for Completion of LaTeX Training**
  `https://drive.google.com/file/d/19HwgnGdPq5BlmL6qDKOUXG1bmeQzS46w/view?usp=drivesdk`
- **Certificate for Completion of C Training**
  `https://drive.google.com/file/d/1fPveypO6XHfk0yQJfP1cOdzcPCVgtEVu/view?usp=drivesdk`