



Archana Kumari

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B.Tech

Computer Science and Engineering

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🐙 GitHub Profile

🌐 LinkedIn Profile

EDUCATION

- **National Institute of Technology Patna** 2020-2024
B.Tech Computer Science and Engineering CGPA: 8.41
- **D.A.V Public School** 2019
CBSE, Bihar Percentage: 93
- **St. Karen's Secondary School** 2017
CBSE, Bihar CGPA: 10

WORK EXPERIENCE

- **Working on authentication of IOT devices** Feb 2023- Present
Implemented different circuit diagrams of PUFs (Physically Unclonable Devices)
 - Analysed the digital output waveform derived from the circuit and generated CRP tables from those
 - Used these CRPs to calculate the Hamming Distance and Avalanche properties which can be used to get reliable authentication of devices
- **Further scope**
Modelling of PUFs by using CRP dataset

PERSONAL PROJECTS

- **Bus Reservation System**
Project description
 - Bus Reservation System in which user can view bus list, book and cancel tickets and also see reservation status using C language (array and tree data structures).
- **Newsletter Sign Up page**
Project description
 - Newsletter Sign Up page for mailchimp account through email using HTML,CSS,Bootstrap and Javascript, node js and expressjs and deploying it on heroku.
- **Basic Banking System**
Project description
 - Basic Banking System which helps in showing balance of user accounts and also to do transactions and keep its records using MERN stack.

TECHNICAL SKILLS AND INTERESTS

Languages: C,C++,Javascript,Python,Basic Java

Frameworks and Developer Tools:HTML5,CSS,ReactJs,Nodejs,ExpressJs,MongoDB

Soft Skills:Writing, English vocabulary

Coursework: Data Structures and Algorithms, Operating System,MySQL

Areas of Interest:Competitive programming,Networking and Security

ACHIEVEMENTS

- Highest rating of 1677 on Codechef with user id archana2001.
- More than 500 problems solved on different platforms and participated in more than 30 coding contests