PRATIMA BHARTI

linkedin.com/pratimabharti
github.com/PratimaBharti

Email: pratimabharti2208@gmail.com
Mobile: +91-6394979193

EDUCATION

- **Indian Institute of Information Technology,Allahabad** Prayagraj, India
  Master of Technology - Information Technology,Networks and security;CGPA: 8.1 *July 2022 - present*

- **Indian Institute of Information Technology,Kalyani** West Bengal, India
  Bachelor of Technology -Computer Science and engineering;CGPA: 8.7 *July 2017 - July 2021*

- **Central Hindu Girls School(K) BHU** Varanasi(UP), India
  Senior Secondary-CBSE ;Percentage: 87% *July 2014 - July 2016*

- **DAV Senior Secondary Public School** Shaktinagar(UP), India
  Secondary-CBSE;CGPA: 10 *2014*

COURSEWORK/SKILLS

- Data Structures & Algorithms • Computer Networks • Networks security • Cyber Laws and Security Standards • Operating Systems • Database Management System (DBMS) • OOPS Concept

PROJECTS

- **Prevention of Flood & Loot: A systematic attack on the lightning network**:
  Research Project | Blockchain,Bitcoin,Lightning Network,Flood Loot Attack | (Ongoing)
  - Research project focused on addressing security vulnerabilities within the Lightning Network, a layered solution designed to enhance Bitcoin's scalability. The project targets the prevention of flood and loot attacks that could compromise the security of transactions conducted on the network.
  - Developed a thorough understanding of how the Lightning Network operates as a scalable solution above the Bitcoin infrastructure.
  - Aims to offer a systematic strategy for addressing and preventing flood and loot attack, enhancing the overall security of the Lightning Network.

- **MultiChat: An ID based multi-user chat application**:
  ⭘ MultiCHAT | Socket Programming,C++,Linux | (Jan - March '23)
  - Designed and developed a functional chat application enabling users to engage in multi-party conversations. It is a client-server based model built using socket programming. The application facilitates real-time communication among multiple users in a network.
  - Implemented the server-side logic for handling user registrations,connections and updates.Designed the DNS server to maintain a list of user IPs, ports, and IDs.
  - Enabled efficient message delivery by associating messages with specific IDs(names).
  - User can register with its name(ID) on one system(server).
  - Registered user can chat with other through linux terminal interface.

- **CollegePedia:A MERN stack based College Review Platform**:
  ⭘ CollegePedia| React,Express.js,Node.js,MongoDB,User Authentication | (April - May '23)
  - Developed a comprehensive web platform to facilitate college review and information sharing
  - Implemented robust authorization mechanisms to securely retrieve data from the MongoDB database.
  - Utilized Express.js and Node.js for the backend logic, ensuring seamless data flow and user interactions
  - Enabled student registration and login functionality, allowing users to contribute college reviews and manage their posts.

- **Portfolio: personal website built using React and NodeJS**:
  ⭘ Portfolio| React,Node.js, HTML, CSS, Responsive Design | (April - May '23)
  - A portfolio website, offering a comprehensive overview of my skills and accomplishments.
  - Developed the frontend using React, focusing on responsive design and optimal user experience.

TECHNICAL SKILLS

- **Languages**: C,C++,Python(Basics),SQL,Socket programming,HTML,CSS,Javascript
- **Databases**: MYSQL,MongoDB
- **Framework**: React,Express
- **Developer Tools**: Git,VScode,SublimeText,LaTeX

EXPERIENCE

- **Teaching Assistant - IIIT Allahabad**: Assisting the Professor in conducting lab sessions, invigilating exams, taking doubt sessions for the subject. (Sept 2022 - Dec 2022)

CERTIFICATIONS

- The Complete 2023 Web Development Bootcamp - June, 2023