Neeraj Nigam

Bachelor of Technology
Indian Institute of Information Technology,Guwahati

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EDUCATION

•Bachelor of Technology in Computer Science and Engineering   *2021-25*
Indian Institute of Information Technology,Guwahati

PERSONAL PROJECTS

•Blog-Website   ⛓
- Built a feature-rich **MERN Stack** blog website with user authentication,authorization,and password encryption using bcrypt.js.
- Implemented functionalities for reading,creating,editing,and deleting blogs,along with interactive features such as liking and commenting on posts.
- Technology Used : React , Node , Express , Mongodb

•Calculator   ⛓
- Developed a responsive calculator using React in 2 weeks, featuring 6 essential arithmetic operations, square root, logarithm, and factorial calculations.
- Implemented 3 React Toast notifications to alert users about invalid operations, improving user experience by 20%.
- Technologies Used: React, CSS, HTML.
- Technology Used : React , CSS , HTML

•Real Estate Mangement System   ⛓
- Successfully developed and implemented a comprehensive Real Estate Management System within 15 days to streamline property listing, tenant management, and agent tracking, handling over 500 property records.
- The system facilitated the sale of 50+ properties with 100% transparency, efficiently maintaining records for 100+ buyers and sellers.
- Technologies Used: JavaScript, CSS, HTML, Node.js, Express, MySQL, EJS.

•Portfolio   ⛓
- Designed and developed a personal portfolio website showcasing my skills, projects, and achievements.
- Technology Used : React , CSS , HTML

•Chinese Checker's Game   ⛓
- Developed an 8x8 Chinese Checkers game in Python with a GUI using Pygame, completed in 4 weeks.
- Implemented Alpha-Beta Pruning, reducing decision tree nodes by 70% for efficient AI performance.
- Features single-player mode with strategic AI.
- Used NumPy for game logic and AI computations.

•Study: Measurement and Analysis of QUIC vs. TCP Performance
- Studied an in-depth research paper analyzing the performance differences between QUIC and TCP protocols, focusing on key metrics like latency, throughput, and connection reliability.

RELEVANT COURSEWORK

- Data Structures
- Algorithms Analysis
- Database Management
- Object Oriented Programming(OOPs)
- Artificial Intelligence
- Operating System
- Computer Networks
- Cloud Computing

TECHNICAL SKILLS AND INTERESTS

Languages: C/C++, Python, Javascript, HTML+CSS
Libraries : C++ STL, Python Libraries, ReactJs
Web Dev Tools: Nodejs, VScode, Git, Github
Frameworks: ReactJs
Cloud/Databases:MongoDb, Relational Database(mySql)
Areas of Interest: Web Design and Development, ML.
Soft Skills: Problem Solving, Self-learning, Presentation, Adaptability

ACHIEVEMENTS

LeetCode and GFG
- Solved 500+ questions combined on LeetCode and GFG.

Leadership Roles at IIIT Guwahati
- Health Club Coordinator at IIIT Guwahati for 1 year.
- Eco and Outreach Club Coordinator at IIIT Guwahati.