

AMRIT GUPTA

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Education

IIIT Naya Raipur

B.Tech in Computer Science Engineering

8.72/10

2021 – 2025

Delhi Public School, Vidyut Nagar

CBSE - Class-XII

96.8%/100

May. 2018 – May 2020

Experience

Software Intern

June 2023 – July 2023

Lear Corporation

- Contributed in making a user-friendly GUI application in Python using Tkinter, enhancing the accessibility and usability of the software.
- Developed a Python-based PDF language conversion tool that reduced processing time by 30% compared to manual conversion methods.
- Utilized advanced techniques in text extraction, translation, and document reassembly to achieve an accuracy rate of over 99% for language conversion tasks
- Received commendation from supervisors for delivering a solution that saved approximately 3-4 hours per week in language translation tasks, contributing to overall productivity gains within the organization.

Projects

StudyNotion-An Edtech Platform | MERN Stack

- Developed an educational technology platform using the MERN stack, facilitating seamless communication between frontend and backend through REST API calls.
- Utilized Redux for efficient state management, reducing load times by 20% and enhancing application performance.
- Integrated JWT tokens and bcrypt library for secure authentication and authorization, ensuring user data privacy.
- Successfully integrated Razorpay payment gateway, enabling students to purchase courses securely.
- Implemented progress tracking features, allowing students to monitor their performance and engagement with courses, resulting in a 30% increase in course completion rates.

Hospital Management System | React, Node.js, MySQL, Express

- Developed a comprehensive hospital management system featuring a React-based frontend website, catering to multiple user roles.
- Designed and created a normalized MySQL database to ensure efficient and non-redundant data access.
- Curated MySQL queries, error-handling mechanisms, and response codes using Node.js to provide feedback to users, enhancing the experience.
- Implemented CORS middleware to allow cross-origin resource sharing, managed user sessions by tracking logged-in user types and developed multiple API endpoints using Express.

Decentralised App | React, IPFS, Infura

- Developed a React-based decentralized app with AES and RSA encryption in the front-end ensuring secure file storage and sharing capabilities.
- Crafted a smart contract-based file system on Solidity, facilitating decentralized workspaces globally and personally while also integrating self-login via MetaMask authentication.
- Integrated IPFS to address centralization challenges, data integrity, and a decentralized approach within the DApp.
- Utilized Infura's API services for seamless deployment of smart contracts on blockchain and leveraged its IPFS services for zero-setup file uploads.

Technical Skills

Languages: C/C++, JavaScript, Python, SQL, HTML/CSS

Frameworks/Libraries: React.js, Node.js, ExpressJs, Tailwind, Bootstrap,

Developer Tools: Git/GitHub, VS Code, Postman Visual Studio, MongoDB, Vercel, PyCharm, IntelliJ

Soft Skills: Teamwork, Communication, Management, Presentation

Achievements

- Solved **700+** Problems on [Leetcode](#), [GeeksforGeeks](#), [Codeforces](#).
- Achieved rating of 1602 on Leetcode and recieved 100 days badge for maintaining consistency awarded to only 6% Leetcoders.
- Got a rank of **32,606** out of over 10 lacs applicants in JEE-MAINS and qualified JEE-ADVANCED.