ABHISHEK GOYAL

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EDUCATION

Indian Institute Of Information Technology Bhagalpur   November 2021 – Present
Bachelor of Technology in Computer Science Engineering   *CGPA - 7.85 (Till 6th Sem)*

Nirmal Happy Sr. Sec. School, Hindaun (Raj)   April 2019 – August 2020
Intermediate (12th)   *Percentage - 83.40%*

WORK EXPERIENCE

Cadence Design Systems   May 2024 – July 2024
SDE Trainee   *Noida (Onsite)*

- Developed a visualization tool that utilizes pie charts, tables with filters, and tree views to reduce error and bug detection time by 50-60% within the **OrCAD development team** at Cadence.
- Automated the merging of multiple related process ID files into the main Unison log file in sorted order, facilitating seamless analysis and troubleshooting across integrated data sets.
- Integrated **real-time updates** to the visualization tool, ensuring immediate reflection of changes in the Unison log file, thereby enhancing accuracy and responsiveness in issue identification and resolution.
- Implemented **multithreading and session handling** for file processing, enabling multiple users to access and upload files simultaneously without requiring sign-in or login, ensuring data isolation and efficient processing.

PROJECTS

Goyal's Blogs Live Link | Code Link | *ReactJs, Redux ToolKit, MongoDb, NodeJs, ExpressJs, TailwindCSS*   **February 2024**

- Implemented a **secure user authentication system** using session-based authentication and JSON Web Tokens (JWT), achieving a **50% reduction** in login-related security incidents and ensuring seamless user access.
- Users can search by title, limit results, and sort with a modern sidebar, enhancing website usability and boosting user engagement.
- Streamlined administrative tasks with **MongoDB-powered CRUD operations**, resulting in a 30% improvement in workflow efficiency for content management and updates.

Screen Savant Live Link | Code Link | *ReactJs, Redux Toolkit, SaaS, APIs*   **June 2024**

- Implemented genre selection, sorting, and search functionalities, empowering users to **personalize their movie exploration**, thereby boosting engagement significantly.
- Enhanced performance by **30%** through techniques like **infinite loading and lazy loading**, ensuring smooth navigation through a vast database of **500+ movies and TV shows**.
- Developed a **user-friendly interface** showcasing popular, top-rated, and trending movies, with seamless navigation to detailed movie pages, enhancing overall usability and satisfaction.

Thread Application Code Link | *React, Nodejs, Express, Mongoose, MongoDB, React Toolkit, React Router Dom*   **March 2024**

- Engineered a comprehensive **forum application** incorporating full CRUD functionality, threaded conversations, user management, and interactive comment sections.
- Facilitated secure authentication and session management with JWT and Google OAuth, improving user experience and data security.
- Introduced advanced features like real-time notifications and search functionality, significantly enhancing the platform's interactivity and user engagement.

TECHNICAL SKILLS

- **Languages:** C, C++, JavaScript, Python
- **Tools/Platforms:** Git, Github, MongoDB Compass, Postman API
- **Technologies/Frameworks:** ReactJs,Redux, NodeJS, ExpressJS, Version Control, C++ STL Library

ACHIEVEMENTS

- Solved **600+ DSA** problems on **LeetCode** and **GFG**, earning 8 badges, and achieving a maximum rating of **1796**.
- Google Kickstart Round D - rank 4888/10000+ participants.
- Gained maximum rating of 1612 (3 Star) on **CodeChef.**
- Selected in **FlipKart Grid 5.0 Level 2** out of **32,000** participants.
- Achieved Global Rank of 246 out of 5000 (Division 3) ranked participants in Starters 55 organised on **CodeChef.**
- Achieved the **1st rank** in the Algo University **coding contest** among all participants from my batch.

EXTRACURRICULAR

- **Lead A Team**: SIH Hackathon, Selected in the first round
- **Core Team Member**: Hospitality and Accommodation, Enugma Fest of IIITBH.