KAILAS DUMANE
System Analyst (Software Developer)

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EDUCATION

Indian Institute of Technology Guwahati Jul 2021 - May 2023
Master of Technology   CGPA 7.76/10 *Guwahati, India*

EXPERIENCE

Real Variable Digital Assetservices Jun 2023 - Jan 2024
System Analyst (Software Developer)

- Worked on the backend systems using **Node.js** for efficient server-side operations.
- Utilized **MongoDB** as the primary database solution to ensure storage of data.
- Implemented a **Redis Caching** Service, **reducing** API response times **by 25%** for frequently accessed endpoints and improved the speed of delivering real time data.
- Contributed to the development of **APIs** in Node.js, achieving a **20% faster** data retrieval rate. Played a role in maintaining a **GitHub** repository with a commit frequency of **100**+ per month.
- Worked on **code reviews**, identifying and resolving 80+ performance related issues.

JPMorgan Chase & Co. Dec 2022 - Jan 2023
Software Engineering Virtual Experience

- Fixed a script in the codebase responsible for handling client data. Implemented the necessary changes to remove bugs and ensure its proper functionality.
- Processed data feed for two stock prices to enable and analyse when trading for stock should occur.
- Resolved issues within TypeScript files in the repository, enhancing processing of web application and ensuring automatic updates of dynamically changing graph after receiving real-time data from server application.

LetsGrowMore Oct 2022 - Nov 2022
Full Stack Web Development Intern

- Designed websites using **HTML**, **CSS**, and **JavaScript**, focusing on frontend development.
- Prepared test plan having all the positive and negative scenarios for verifying **functionalities** of **endpoint**.
- Used POSTMAN for performing **functional testing** manually.
- Implemented backend functionality with **Python**, efficiently **troubleshooting** bugs and conducting thorough **code reviews.**

PROJECTS

Real Time Chat Application *Live App Link* *Github*

- Developed a real-time chat application using **Django** and **Channels**. Established its structure, and created essential base **templates**.
- Implemented user functionalities, allowing users to **sign up**, **log in**, and **log out** seamlessly.
- Created a Django app for **chat room** which involved adding rooms to the database, displaying a frontend list, and enabling user participation via **Consumer**, **Routing**, and **Web Sockets**.
- Implemented real-time messaging with **user authentication** for chat room access. Utilized Django Channels and a new database model for efficient communication.

Portfolio: Professional Excellence *PortfolioLink* *Github*

- Designed and developed a responsive Portfolio using **React.js**, showcasing proficiency in front-end technologies and interactive UI features.
- The design prioritizes simplicity, providing an accessible overview of work and capabilities.
- Integrated interactive content via external APIs, optimizing code for peak performance.

TECHNICAL SKILLS

- **Programming Languages:** C++, Java, Python, Javascript
- **Technologies/Tools**: HTML, CSS, Git, Redis, MySQL, MongoDB
- **Frameworks/Libraries**: Node.js, Django, NumPy, Pandas, Scikit-Learn, Seaborn

CERTIFICATIONS

- Data Structures and Algorithms
- Python for Data Analytics
- HTML and CSS
- Machine Learning using Python

LEADERSHIP

- **Mentor:** Served under Students' Welfare Board (2022-2023) as a Mentor at IIT Guwahati.
- **Co-Convenor**: Served as a member of Maintenance Committee (2022-2023) at IIT Guwahati.
- **Volunteer**: Volunteered for Smart India HackaThon Grand Finale (SIH 2022) at IIT Guwahati.
- **Organizer**: Organized LATHO event in VISIOTECH-2017 held by MGM's COE Nanded.