

Somesh Kumar

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🌐 LinkedIn | 🐙 GitHub | Portfolio | GFG | LeetCode

EDUCATION

- Indian Institute of Information Technology, Kalyani** 2020-Present
B-Tech : Computer Science and Engineering CGPA: 8.807
- Dayawati Modi Public School, Raebareli** 2019
AISSCE (Class XII) : CBSE, Uttar Pradesh Percentage: 88.80 %
- Dayawati Modi Public School, Raebareli** 2017
AISSE (Class X) : CBSE, Uttar Pradesh CGPA: 9.2

TECHNICAL SKILLS AND INTERESTS

Skills : C, C++, Python, Java, Html, CSS, Bootstrap, Chakra UI, Tailwind CSS, JavaScript, TypeScript, ReactJS, Next.js, Node.js, MongoDB, Express.js, SQL, Git, Github

Areas of Interest: Data Structure And Algorithm, Fullstack Web Development, Machine Learning

EXPERIENCE

- GrowEasy/BannerBot** (September 2023 - October 2023) **Certificate**
Javascript Developer Intern
 - Collaborate with the internal admin panel team to enhance functionality, streamline workflows, and improve user experience
 - Contribute to front-end web development, ensuring a seamless user interface and engaging features
 - Actively participate in backend development, optimizing server performance and implementing robust APIs.**Tech Stack :** Javascript, TypeScript, ReactJS, NextJs, Nodejs
Project Link : [Link 1](#) [Link 2](#)

PERSONAL PROJECTS

- IdeaBox** (September 2023 - October 2023) **Source Code**
 - Developed a web app for users idea storage, featuring comprehensive CRUD functionality for streamlined interactions.
 - Ensured data security with seamless Google sign-in, strengthening the authentication system's robustness.
 - Improved user experience through efficient session and cookie management, eliminating repeated logins and ensuring seamless navigation.**Tech Stack :** ReactJS, NodeJs, MongoDB, ExpressJS
- BlogVerse** (April 2023 - May 2023) **Source Code**
 - Developed a web platform for writing interactive blog posts, featuring seamless user registration and login for an engaging experience. Authenticated users benefit from personalized dashboards, enhancing CRUD operations.
 - Enhances security by implementing exclusive post modification rights for authors, ensuring a secure and user-friendly online environment.**Tech Stack :** ReactJS, NodeJs, MongoDB, ExpressJS
- Intrusion Detection System (IDS)** (June 2023 - May 2024) **Source Code**
 - Analyzed NSL-KDD and CAN BUS datasets, Exploring various baseline models, ultimately determining that implementing Random Forest with PCA for 99.8% accuracy.
 - Introduced diverse types of Noises and applied multiple scaling techniques to test the robustness of the models.
 - Concluded that while Random Forest with PCA is adept for swift response, Gradient Boosting for 99.0054% accuracy and XGBoost for 99.6896% accuracy demonstrated greater robustness.**Tech Stack :** Python, Pandas, Numpy, TensorFlow, Scikit-learn
- Airline Management and Navigation System** (February 2023 - March 2023) **Source Code**
 - Developed a user-friendly flight booking software with an intuitive interface, offering tailored options through ticket filters for price, distance, time, and layovers.
 - Implemented a robust database utilizing latitude and longitude data for pinpoint accuracy in flight information.
 - Established a transparent admin-user hierarchy, enhancing system usability for administrators and users alike.**Tech Stack :** Java Swing, OOPs

ACHIEVEMENTS

- Achieved the highest GFG Institute rank of 7 by solving over 600 DSA problems on LeetCode and GFG.
- Actively engaged in more than 30 contests, securing a LeetCode Contest Rating of 1600+.