

NIKHIL KUMAR SINGH

ACADEMIC PROFILE			
Degree/Certificate	Institution	Percentage/CGPA	Year
B-Tech	Electronic Engineering IIT (BHU), Varanasi	9.01	2024
CBSE (XII)	Nirmala Convent High School, Renukoot	94.20	2020
CBSE (X)	Nirmala Convent High School, Renukoot	91.00	2018
SKILLS			
<ul style="list-style-type: none">• Programming Languages: C/C++, HTML, CSS, JavaScript.• Libraries/Frameworks: NodeJS, ExpressJS, ReactJS, Bootstrap, Material-UI.• Area of Interest: Data Structures and Algorithms, Competitive Programming, and Web Development.			
WORK EXPERIENCE			
EDG Intern, Mathworks		May 2023- July 2023	
<ul style="list-style-type: none">• Leveraged IO device driver builder in MATLAB/Simulink for DS1307, OPT3001, and DCC peripheral.• Created Simulink blocks for the sensors using the app, creating .cpp and .h files for seamless integration.• Utilized sensor libraries, making customized modifications to the code to meet specific output requirements.• Employed Arduino IDE and CCS Studio to optimize and deploy cpp code for seamless integration of sensors and the DCC peripheral in MATLAB.• Exposure: MATLAB, Simulink, Arduino, Sensors.			
PROJECTS			
TeacherPool Website		Dec 2023 - Jan 2024	
<ul style="list-style-type: none">• Implemented React.js and Node.js for a responsive user interface with RESTful API interactions and deployed using Netlify and Render.• Engineered a RESTful API for job openings, enabling efficient Create, Read, Update, and Delete (CRUD) operations.• Utilized Reacts Context API for streamlined state management, reducing prop drilling and enhancing code maintainability.• Integrated Axios for asynchronous API requests, optimizing data retrieval and facilitating seamless communication between frontend and backend.• Exposure: ReactJS, NodeJS, MongoDB, RESTful APIs, Netlify, Render. Github Link			
Interview Ease Mathworks Hackathon'23		June 2023 - June 2023	
<ul style="list-style-type: none">• Developed React.js, Node.js API for intelligent interview scheduling, optimizing candidate progression and interviewer collaboration.• Crafted an intuitive and user-friendly UI with Material UI for seamless login, registration, and detailed candidate profiles, optimizing the overall user experience.• Optimized MongoDB for efficient data storage, ensuring seamless extraction, manipulation, retrieval of candidate details, interview feedback, and allocation records.• Exposure: ReactJS, MaterialUI, Git, Github. Github			
Fitness Club Website		Dec 2022 - Dec 2022	
<ul style="list-style-type: none">• Developed a user-friendly web application using ReactJS to help users find exercises for different body parts• Integrated Rapid API to fetch exercise data and provide detailed information about each exercise.• Implemented Material UI for an enhanced user interface and incorporated React-Speech-Recognition for voice-controlled exercise search and also added the feature of BMI calculator.• Exposure: ReactJs, Html, CSS, JavaScript, Material UI, RapidAPI. Github			
HONOURS AND ACHIEVEMENTS			
<ul style="list-style-type: none">• Expert at Codeforces, with Maximum Rating of 1643. (ID: nikhilkumarsingh)• Global Rank 665 in Google Kickstart Round D 2022 and Global Rank 1206 in Google Kickstart Round B 2022.• Secured 2nd Position among 40+ teams in Computer Vision-based event Mosaic'22 at Udyam'22.• Secured 1st position in Bashing'23 event organised by Mathworks.			
EXTRA-CURRICULAR ACTIVITIES			
<ul style="list-style-type: none">• Member of Fine Arts Club(FAC) at IIT (BHU) Varanasi and guided freshers as a mentor during Aagman'22.			