V Abhijith

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EDUCATION

Year	Degree/Exam	Institute	CGPA/Percentage
2021-2026	IDD Material Science and Engineering	Indian Institute of Technology (BHU), Varanasi	8.59 (current)
2021	Class XII, ISC	Kuriakose Elias English Medium School, Kottayam	96.5%
2019	Class X, ICSE	Evershine Residential School, Pathanamthitta	95.5%

SKILLS AND INTERESTS

- Programming Languages: JavaScript, C++, Python, Java
- HTML5, CSS3
- DBMS : SQL, MongoDB, Mongoose
- Data Structures and Algorithms
- Frameworks and Libraries: React.js, Express.js, Node.js, React router, jQuery, Bootstrap, NumPy, Matplotlib, Seaborn
- Tools: Git, Streamlit, GitHub, MATLAB, Canva

PROJECTS

➢ GoGrocers (E-commerce website) Link to website Link to repository May 2023- current

- Utilized React components and incorporated vanilla JavaScript to develop a dynamic multipage website that updates data in real-time.
- Implemented responsive design using CSS and responsive tools like containers, rows, and columns, ensuring optimal user experience across varying window sizes on desktop.
- Integrated React context API to seamlessly implement cart functionality, enhancing user interaction and providing a smooth shopping experience.
- Leveraged React Select elements to incorporate a location selector, enabling users to easily choose their desired location.
- Currently engaged in ongoing backend development to complement the frontend and ensure a robust, full-stack website solution

➢ Modelling and Analysis of X-Band Radiation Absorbing Materials

Prof. Ravi Panwar, IIT BHU(Varanasi)

- Studied material properties to investigate their direct relation to radiation absorbing capability.
- Utilized MATLAB to analyze and plot variations in material's impedance, considering both complex and real parts of permittivity and permeability.
- Analyzed the relationship between permittivity, permeability, and reflective loss of a single layer absorber using MATLAB.
- Obtained valuable insights into material behavior and impedance characteristics, aiding in the design of efficient absorbers.
- Currently applying a genetic algorithm to optimize the thickness of RAM (radiation-absorbing material) in a multilayer absorber, aiming to enhance absorption capabilities.

AWARDS AND ACHIEVEMENTS

- Awarded NTSE Scholarship in 2019 by NCERT
- Secured All India Rank under 19,000 in JEE ADVANCED 2021.
- Secured All India 98.14 percentile in JEE MAINS 2021.
- Secured a Rank of 35 in NTSE stage I, Kerala State Level

COURSES AND CERTIFICATIONS

- The Complete 2023 Web Development Bootcamp (Udemy)
- Data Structures and Algorithm in C++ (Coding Ninjas)
- Introduction to C++ (Coding Ninjas)
- Intermediate Python (Datacamp)
- Python Data structures (Coursera)
- Introduction to Python (Datacamp)
- Getting started with python (Coursera)
- MATLAB Onramp (MathWorks)

EXTRA CURRICULAR ACTIVITIES

- Core team member at the Photography club, Film and Media Council (2021-2023)
- Core team member at the Fine Arts Club, Cultural Council (2021-2022)
- Media coverage team member for Spardha'22 (2022)
- Executive member for Spardha'22 (2022)
- Participated in AAGMAN'21 (2021)
- Elected as Head Prefect in High School (2019)