Arshea Atif
Backend Developer

Personal Summary

I am a motivated fresh graduate with in Web development. With ample communication and teamwork skills, I am eager to apply and expand technical and non-technical expertise, with a keen interest in contributing to innovative software solutions. Good at problem-solving, I am continuously seeking opportunities for learning and professional growth in the tech industry. Starting off as a web developer, I aspire to make my name in the industry and then move towards AI and Blockchain, as I believe the future lies in these niches.

Skills

- Programming: C++, Javascript Python, JupyterNotbook, Matplotlib, MERN
- Database: MongoDB, MySQL, Microsoft SQL, SQLite
- Tools: GitHub, Postman, Etheral
- MS Office: MS Word, MS Powerpoint, MS Excel
- Good Communication and Analytical skills and team work
- Technical Content Writing
- Social Media Managing

Credentials

- Online C++ Internship at CodSoft, August 2023 - September 2023
- Python Elementary Course from Python Career Training, May 2023
- Internship in MERN at Devsinc(Summer of 2024)
- Certificates from multiple curricular and extra-curricular activities

Contact Details

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LinkedIn: www.linkedin.com/in/arshea-atif

EDUCATION

Kinnaird College for Women
Bachelor of Computer Science
Expected Year of Graduation: June 2025
Cumulative GPA of 3.21
Director Social Media at Kinnaird IEEE Student Branch

Websites

EMPLOYEE PERFORMANCE MANAGEMENT SYSTEM

For our FYP, we developed a website that would help the team managers to evaluate the employee's performance using MERN. The performance of the employee is based on the 360 degree feedback they receive from their peers and managers, and the task completion rate of the employee. BERT model was integrated in our system to analyse the sentiment in the feedback recieved. I was mostly responsible for the backend and integrating the BERT model. A pre-trained model was implemented using a Flask API. Moreover, for the seamless implementation and integration of the backend RESTful APIs were created.

MOVIE TICKET BOOKING WEBSITE

Developed a Movie Ticket Booking App as part of my Devsinc Internship. Used the MERN stack, handling both **frontend and backend functionalities**. Designed the user interface with React, ensuring a responsive and intuitive experience for users. Implemented backend services using Node.js and Express, creating RESTful APIs for managing movie listings, bookings, and user authentication. Leveraged MongoDB for efficient data storage and retrieval, optimizing queries to enhance performance.

PERSONAL PORTFOLIO WEBSITE (Ongoing)

Developing a Personal Portfolio Website using the MERN stack, showcasing my projects and skills with a fully responsive design. Utilized React for the **frontend**, creating an engaging user interface that highlights my work and experience. On the **backend**, implemented Node.js and Express to build RESTful APIs for managing content dynamically. Employing MongoDB for data storage, enabling easy updates and retrieval of project information. Integrated contact forms and authentication features to enhance user interaction and security, resulting in a comprehensive platform to present my professional profile.

SOCIAL MEDIA WEB APP

Designed and developed the **frontend** of a Social Media App, as part of my Internship at Devsinc. Used React.js, focusing on creating a dynamic and user-friendly interface. Implemented responsive design principles to ensure optimal viewing across various devices. \Integrated third-party APIs for features such as authentication, enhancing the overall functionality of the application.

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FLOWER SHOP WEBSITE

Developed the frontend of a Flower Shop Website using HTML, CSS, PHP, and JavaScript, focusing on creating an aesthetically pleasing and user-friendly interface. Implemented **responsive design** techniques to ensure a seamless experience across devices, enhancing accessibility for all users. Utilized JavaScript for interactive elements, such as dynamic product galleries and a shopping cart feature, improving user engagement. Employed PHP for backend integration.

Other Projects

ENGLISH-LATIN DICTIONARY

Developed an English-Latin Dictionary program that significantly enhanced my understanding of **data structures** and **object-oriented programming** (OOP) concepts. Designed the application using classes and objects to model dictionary entries, efficiently organizing words and their translations. Implemented data structures such as binary search trees for quick lookups and linked lists for storing vocabulary, optimizing performance. This project deepened my grasp of algorithms and data management, allowing me to effectively handle word queries and improve user experience. The hands-on experience solidified my programming skills and provided valuable insights into software development practices.

RESIDENT LISTING SYSTEM

Developed a Resident Listing Program that efficiently assigned vacant houses to new residents, enhancing my understanding of **object-oriented programming** (OOP) principles. Utilized classes and objects to represent residents and housing units, enabling clear and organized data management. Implemented algorithms to match residents with suitable properties based on preferences and availability. This project allowed me to apply OOP concepts such as inheritance and encapsulation, deepening my grasp of software design and structure. The experience strengthened my problem-solving skills and provided practical insights into building scalable applications.

Inventory Management System

Developed an Inventory Management System that streamlined the tracking and management of inventory items, significantly enhancing my understanding of **object-oriented programming** (OOP) concepts. Leveraged classes and objects to represent products, suppliers, and inventory transactions, enabling modular and maintainable code. Implemented features such as stock level monitoring, order placement, and reporting, utilizing OOP principles like inheritance and polymorphism to create a flexible architecture. This project deepened my grasp of data management and software design patterns, allowing me to effectively handle complex inventory operations and improve overall efficiency.