Niyaz Nabi

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Work Experience

SDE (Software Development Engineer) — July 2022 – Aug 2024
Vertocity, Hyderabad

- Developed and designed a **SaaS product** and full-stack data science projects, ensuring modular, maintainable code, **reducing development time by 15%**.
- Utilized **ReactJS, JavaScript, TypeScript, Tailwind CSS, and Express API** to enhance frontend responsiveness and backend scalability, improving user experience by 20%..
- Implemented efficient **data structures and object oriented programming to optimize data usage** and ensure clean, maintainable code, resulting in a 30% improvement in application performance and used **DOM manipulations and robust REST API Flask API integrations** . Followed Agile principles for iterative development and better project management.
- Excelled in utilizing enhancing system responsiveness and overall functionality.Demonstrated **adaptability by quickly learning and implementing new languages** and frameworks based on project needs.

SDE Intern Software Engineer Intern — March 2022 - June -2022
Visakhapatnam Port Trust, Visakhapatnam

- Created a responsive inventory management system, improving data storage and **retrieval efficiency by 25%, boosting system performance by 30%**.
- Led front-end development of a dynamic web page using **JavaScript, HTML, CSS, integrated REST APIs, resulting in 20% productivity** improvement.
- Optimized backend performance using **SQL and Python, reducing query processing time by 15%**.
- Collaborated closely with cross-functional teams to deliver efficient and scalable solutions.

Projects

Pharmetrade (Ecommerce Pharmacy Website) — **Link**

- **Engineered a high-performance, responsive front-end** using **ReactJS, Tailwind CSS, and JavaScript**, leveraging advanced React concepts (e.g., lazy loading, code splitting) to reduce page load times by **25%**.
- **Collaborated with a cross-functional team using the MERN stack** to design a seamless, end-to-end user experience and ensure efficient integration between front-end and back-end.
- **Developed and integrated robust RESTful APIs** using **Express.js**, optimizing the checkout workflow and improving **transaction efficiency by 20%**.
- **Enhanced UI/UX by iterative feedback cycles**, leading to **15% increase in user retention** and user engagement.
- **Improved performance and scalability by implementing state management with Redux** and optimizing rendering workflows, ensuring smooth operation for concurrent users.

Flight Data Analysis for Predicting Flight Prices

- **Conducted exploratory data analysis (EDA)** on a dataset of 10,000 flight ticket prices, identifying key factors affecting fare fluctuations.
- **Performed hypothesis testing and ANOVA** to analyze the impact of aircraft type, seat availability, and advance booking on ticket prices.
- **Built linear regression models** to quantify the relationship between fuel surcharge, distance, and flight duration with flight prices, optimizing price prediction accuracy.

Technical Skills

- **Languages:** JavaScript, Python, TypeScript, Java, SQL, HTML, CSS
- **Frameworks:** ReactJS, Next Js, Node.js, ExpressJS, FastAPI, Flask,VueJs
- **Tools:** Git,GitHub,Tailwind CSS,MySQL, MongoDB, SQLAlchemy, pydantic,,Canva ,Webflow ,Excel,GCP
- **Other Skills:** Data Structures & Algorithms, OOPs, Distributed Systems, Agile , Debugging ,Effective Communication

Certifications

- **Data Structures in Python** , Coursera,
- **HackerRank (4 Star Silver Badge)** in Python Programming

Education

University Of North Texas, — 2024 – Present
Master's in Advance Data Analytics — C.G.P.A 4.0/4.0
- Started my masters in Advance Data Analtyics getting to improve my knowledge in my passionate field .

Gitam University, India — 2019 – 2023
Bachelor's in Computer Science and Engineering — C.G.P.A: 8.64/10
- Participated in hackathons ,tech clubs and contributed to projects in web development, machine learning, and data science.