

ANUJA KALE

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EDUCATION

- Northeastern University** Boston, MA
Master of Science in Information Systems Expected Dec 2024
- Relevant Coursework: Application Engineering Development, Web Design and User Experience Engineering, User Experience Design and Testing, Data Management and Databases Design, Agile Software Development
- University of Mumbai** Mumbai, IN
Bachelor of Engineering in Information Technology May 2021
- Relevant Coursework: Artificial Intelligence, Big Data Analytics, Distributed Systems, Database Management Systems, Advanced Database Management Systems, Data Mining and Business Intelligence, Software Quality Control

WORK EXPERIENCE

- Data Analytics Consulting Virtual Internship | KPGM, Virtual Internship** Sept 2021
- Analyzed data quality issues within provided datasets, ensuring accuracy and reliability for subsequent analysis
 - Gathered insights into potential customers by studying their past behavior, informing data analysis strategies for targeted marketing
 - Reviewed previous task results including target customers, top 10 items, and customer demographics to inform future decision-making processes
- Full Stack Web Development Intern | ShapeAI, Mumbai, India** Jun 2021 – Aug 2021
- Designed and optimized databases for software applications, achieving a 40% improvement in query performance
 - Created and deployed secure database-backed web APIs, reducing data exchange latency by 50% and enabling seamless communication between applications
 - Developed intuitive user interfaces for both frontend and backend, resulting in a 30% increase in user engagement and satisfaction

TECHNICAL SKILLS

- Programming Languages:** TypeScript, JavaScript, React JS, SQL, Python (NumPy, TensorFlow, Matplotlib, Pandas, Keras), HTML, CSS, PHP, Java, Redux, REST APIs, jQuery, Node.js, R
- Data Visualization:** Advanced Excel, Tableau
- Cloud:** AWS, Google Cloud, Heroku
- Tools and Technologies:** Microsoft Office Suite, Moqups, Balsamiq, Figma, FigJam, Axure, After Effects, Git, VS Code, Postman, MongoDB, Rest APIs
- Operating System:** Windows, macOS, Linux

ACADEMIC PROJECTS

- Foodlicious an online food ordering system | React, Node.js, Express.js, MongoDB** Jan 2023 – Apr 2023
- Developed and implemented Foodlicious, an online food ordering system using **React, Node.js, Express.js, and MongoDB**, enabling customers to order a variety of foods directly from the website
 - Integrated user and admin dashboards in Foodlicious, allowing efficient management of users, products, and orders, as well as providing **real-time** order tracking and updates for customers
 - Implemented secure user authentication, common payment gateway integration with **Stripe**, and seamless order processing, resulting in a user-friendly and efficient online food ordering experience. Which can be viewed [here](#)
- Simple Invest | Figma** Jan 2023 – Apr 2023
- Led the design and implementation of a user-friendly UI for Simple Invest using Figma, significantly enhancing user engagement and overall satisfaction.
 - Executed comprehensive user research to pinpoint and address pain points, leading to substantial improvements in the UI design.
 - Developed a meticulous Figma design for the enhanced UI, showcasing the updated interface and its features. Which can be viewed [here](#)
- Intelligent Drive Assistance System | Python, OpenCV** Jan 2021 - May 2021
- Developed a non-intrusive driver drowsiness detection system using **Computer Vision**, aimed at preventing accidents caused by driver fatigue and sleepiness
 - Conducted research and implemented various techniques, such as **Haar** face detection algorithm, to detect drowsiness based on facial features and image processing
 - Proposed solutions and presented results in a comprehensive report, highlighting the potential for further optimization and improved efficiency of the system for enhanced road safety, published paper can be viewed [here](#)
- Lab Component Issuing System | RFID, NFC Tags, NodeMC** Apr 2021 – Jun 2021
- Developed an automated component dispensing system for a laboratory using IoT technology to provide users with a simple and easy component issuing system while ensuring a scientific approach to managing the hardware laboratory and optimizing staff time and energy.
 - Evaluated the feasibility of implementing an automated component dispensing system in a laboratory and assessed the potential benefits to streamline component issuance and improve laboratory efficiency
 - Implemented IoT technology to automate component dispensing systems in a laboratory, enabling centralized control of all lab components from one place, published paper can be viewed [here](#)