

VRAJ PAREKH

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EDUCATION:

Indiana University, Bloomington, IN, United States	Expected May 2026
Master of Science, Computer Science	CGPA: 3.7/4.0
Relevant Coursework: Software Engineering, Applied Algorithms, Machine Learning, Computer Vision, Cloud Computing	
G. H. Patel College of Engineering & Technology (GCET), Anand, India	April 2024
Bachelor of Engineering in Computer Engineering	CGPA: 8.86/10.00

TECHNICAL SKILLS:

- **Languages:** C, C++, Java, Python, Dart
- **Web Development:** ReactJS, NodeJS, HTML5, CSS, Javascript, TypeScript
- **Libraries & Frameworks:** PHP, Scikit-Learn, Keras, TensorFlow, Redux, Flutter
- **Databases:** MongoDB, SQL
- **Tools:** Git, VS Code, Anaconda, PyCharm, Xcode, Docker, AWS EC2
- **Other Skills:** REST APIs, Agile Development, Authentication Protocols, Database Management

WORK EXPERIENCE:

Tech Elecon Pvt. Ltd., Anand, India	Dec 2023 – Apr 2024
Software Engineer Intern	
<ul style="list-style-type: none">• Designed a scalable e-commerce platform using ReactJS, NodeJS, and MongoDB to streamline online sales.• Enhanced system performance by 30% through state management via Redux.• Integrated PayPal API to ensure secure payment processing, achieving 99.9% uptime.• Collaborated with a cross-functional team to gather requirements, develop prototypes, and deploy features on time.	

PROJECTS:

PrismCart – E-Commerce Platform	May 2024 – Sept 2024
Technologies: React, NodeJS, MongoDB, Flutter, Dart	
<ul style="list-style-type: none">• Developed an e-commerce cross-platform with a web and a mobile application, ensuring a seamless shopping experience.• Implemented secure authentication using JWT tokenization, enhancing security by 95%.• Designed and developed REST APIs for admin functionalities, enabling efficient product updates and inventory management.• Engineered a product recommendation system based on item type and price, increasing user engagement by 15%.• Integrated PayPal, Apple Pay, and Google Pay for secure and convenient payment processing, including automated receipt generation.• Developed the Flutter mobile application with a UI identical to the web version, ensuring a consistent and responsive user experience across platforms.	
Emotion Based Music Recommendation	Jun 2023 – Oct 2023
Technologies: Python, Keras, TensorFlow, CNN	
<ul style="list-style-type: none">• Built real-time emotion detection, achieving an accuracy of 64% with simple CNN layers, which increased to 77% by using MobileNet.• Implemented Spotify API integration for personalized song recommendations based on user emotions, aiding stress relief.	
Restaurant Table booking System	Oct 2022 – Dec 2022
Technologies: PHP, HTML, CSS, JavaScript, SQL	
<ul style="list-style-type: none">• Developed a web-based system allowing seamless table reservations and menu management.• Enhanced user experience through dynamic interfaces and persistent state handling using PHP cookies, reducing booking time by 20%.	