

PIYUSH PATEL

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Professional Experience

Ethnus

4 Months

MERN Stack Developer Intern

- **Built web apps with MERN**, reducing bounce rate by 15% and increasing time on site.
- **Streamlined Git-based version control**, improving team efficiency by integrating code under tight deadlines.
- **Designed responsive UIs, RESTful APIs** with React.js and Node.js.
- **Conducted testing and debugging** to ensure application reliability.
- **Designed a CI/CD pipeline** with automation that minimized deployment times and integrated cloud solutions to maintain high application availability.

Projects

Manage CO | Technologies: NextJS, MongoDB, Typescript | **Live Link:** /manageco.vercel.app

- * Repository link: [Github](#)
- * **Added a robust backend** system for efficient **Role based access**, achieving a 30% improvement in daily tasks such as updating product market data, launch approval, etc.
- * **Earlier this client's company struggle to communicate to his sales person via emails and google forms for collecting various product market data and other stats.** This is being used in real time.

PayRoyale | Technologies: ReactJS, MongoDB, NodeJS, ExpressJS, ChartJs | **Live Link:** /payroyale.vercel.app

- * Repository link: [Github](#)
- * **Unique SaaS for tracking and performance** visualization for Clash Royale players, enabling clan admins to monitor individual and team progress effortlessly in real-time.
- * **Integrates a dynamic paywall** feature, allowing admins to set prize pools for competitions, streamlining rewards on the basis of player stats and performance metrics.

Vibesense | Technologies: Python, FER, Tensorflow, OpenCV, Flask, MongoDB | **Link**

- * **Emotion Recognition Features:** Designed and integrated an AI model using FER (Facial Emotion Recognition), OpenCV, and TensorFlow to capture and analyze user emotions on request, enabling seamless emotion recognition via a web interface.
- * **Recommendation Engine:** Implemented a custom Emotion-Genre map for emotion-based recommendations with the Spotify API and dynamic song suggestions. A custom joke database (10,000+ jokes scraped from Reddit and stored in MongoDB), offering personalized jokes and music to uplift user moods.

Skills

Languages : C++, Java, Python, JavaScript, SQL

Technologies & Tools : AWS, EC2, DynamoDB, S3, SQS, Lambda, Elasticsearch, Docker, Kafka, Axios, ReactJS, Redux, NodeJS, Nginx, Express JS, Next JS, Tailwind CSS, GraphQL, PostgreSQL, MongoDB, Vercel, Unix tools, UI frameworks, Build tools, IDE, Debugger, Source control, System administration, Cloudflare workers Ai integration.

Certifications

- **Amazon AWS Certified Cloud Practitioner:** Demonstrated proficiency in utilizing AWS services such as S3, EC2, Lambda, CloudFormation, IAM, SNS, and SQS to optimize and enhance operational workflows.
- **Ethnus MERN Full Stack Internship Certification:** Skilled in designing and deploying scalable web applications for comprehensive end-to-end development.
- **Cloud Computing Certificate:** NPTEL Swayam Chapter - IIT Kharagpur.
- **Computer Vision Certificate:** Developing and deploying advanced image processing and object detection models using deep learning frameworks and algorithms.

Education

Vellore Institute of Technology

B.Tech in Computer Science - 8.01 CGPA

May 2021 – May 2025

Bhopal, Madhya Pradesh