

Vaishnav T Ullas

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PROFESSIONAL SUMMARY

Master's graduate with Distinction, proficient in developing responsive web applications with Next.js and deploying solutions on cloud platforms. Demonstrated success in reducing page load and increasing user engagement. Seeking to contribute coding expertise and collaborative skills to an innovative engineering team focused on building scalable and user-centric solutions.

SKILLS

Languages (JavaScript, Python, C++, SQL, CSS, HTML) | **Front-End** (Next.js, React, Angular, HTML5, CSS, Responsive Design) | **Back-End** (GraphQL, Apollo Client, RESTful APIs) | **CMS** (WordPress, Elementor) | **Tools & Technologies** (Git, Visual Studio Code, SEO Optimization) | **Foundational** (Cloud Computing, Machine Learning, Data Structures, Object-Oriented Programming, Computer Network)

WORK EXPERIENCE

Terrific Minds

Sept 2020 – Sept 2022

Software Engineer

Kerala, India

- Developed and maintained responsive Next.js front-end applications supporting over 1000+ monthly active users with 99.9% uptime, achieving a 40% reduction in page load times and a 15% increase in user engagement.
- Optimized data fetching using GraphQL and Apollo Client, reducing server load by 25% and improving data retrieval speed by 300ms.
- Designed and implemented a library of 12+ reusable UI components while ensuring cross-device compatibility and accessibility through responsive design practices, which was tested on 3+ screen resolutions.
- Drove a 10% increase in search visibility and a 5% growth in traffic by implementing Next.js SEO features and best practices.
- Collaborated with a team of 3-5 designers and backend developers to deliver functional web pages from mockups, ensuring timely project launches.

AirProbe

Jun 2019 – Aug 2019

Software Engineer Intern

Bangalore, India

- Designed and developed a custom Image Annotation tool using Angular and JavaScript, utilizing HTML5 and Canvas to provide an efficient platform for annotating images, resulting in a 50% reduction in data annotation time.
- Implemented image rendering and editing capabilities on the Canvas, enabling users to draw bounding boxes, polygons, and other annotations directly on the images.
- Integrated features for labelling and categorizing annotated objects, facilitating the organization and classification of training data for machine learning algorithms.
- Incorporated functionality for saving, exporting, and importing annotated datasets, which act as an input for Deep Learning Models.

PROJECTS

SSD Failure Detection

- Analyze and improve conventional machine learning models to assess effectiveness in predicting failed solid-state drive(SSD) disks using historical SMART data.
- Resulted in an 80% prediction accuracy in identifying failed SSD disks using historical SMART data.

Code Complexity Analyzer

- A Python Program to calculate lines of code and complexity for each class in the given directory.

EDUCATION

University of Leeds

Sept 2022 – Sept 2023

Master of Science in Advanced Computer Science

Leeds, UK

- Achieved Distinction with a grade of 7.34

Govt. Model Engineering College

Aug 2016 – Aug 2020

Bachelor of Technology in Computer Science and Engineering

Kerala, India

- Achieved First Class with a grade of 7.8

ADDITIONAL EXPERIENCE AND AWARDS

- Certification in Introduction to Modern Application Development from IIT Madras.
- Certification in Introduction to Internet of Things from IIT Kharagpur.
- Awarded Employee of the Month at Tenpin for demonstrating exceptional speed and efficiency in learning new tasks and responsibilities.