

Koushik Kunavakkam Vinchimur

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Nationality: Indian | Marital Status: Single | Religion: Hindu | Birthday: 25/10/1999



Objective

Highly Adaptable Full Stack Developer: Extensive experience in designing, developing, and deploying scalable web applications.

Technical Proficiency: Skilled in front-end and back-end technologies, including HTML, CSS, JavaScript, React.js, Node.js, MongoDB, and SQL.

Responsive and User-Centric Design: Expertise in creating responsive interfaces that enhance user experience.

Performance Optimization: Adept at optimizing application performance for seamless functionality.

Collaborative Problem Solver: Proven ability to work with cross-functional teams to deliver solutions aligned with business objectives.

Strong Work Ethic: Recognized for quick learning, a passion for technology, and solving complex problems efficiently.

Communication and Teamwork: Thrive in fast-paced environments while demonstrating excellent communication and collaboration skills.

Continuous Learning: Enthusiastic about adopting emerging tools and frameworks to stay ahead in the tech landscape.

Goal-Oriented: Actively seeking opportunities to leverage expertise, foster innovation, and build impactful applications that drive organizational growth.

Cloud-Native Application Development:

Build scalable, serverless applications using Azure Functions and Python.

Machine Learning and AI:

Develop models using caret, mlr, or tidymodels for classification, regression, clustering, and dimensionality reduction. Work on advanced topics like natural language processing (NLP) with tm, text2vec, and quanteda.

Deep Learning:

Implement deep learning models using R wrappers for TensorFlow or Keras.

Experience

GUVI

08/2024 - 11/2024

Full Stack Developer

Worked with back-end developers to design APIs.

Enhanced user experience by developing and implementing a responsive front-end interface for web applications.

Designed and developed responsive web applications using the MERN stack (MongoDB, Express.js, React, Node.js).

Created reusable and dynamic UI components using React.js and managed state with Redux/Context API.

Built and optimized RESTful APIs for seamless integration between frontend and backend. Designed and maintained database schemas and queries with MongoDB and Mongoose.

Deployed and managed applications on Render and Netlify, ensuring scalability and high performance.

Integrated third-party APIs to enhance application functionality and user experience.

Implemented authentication systems using JWT and role-based access controls for security. Debugged and resolved performance bottlenecks to improve application speed and reliability. Collaborated with cross-functional teams to gather requirements and deliver user-focused solutions. Delivered end-to-end development for key projects, achieving [specific metrics, e.g., a 30% increase in efficiency or user engagement].

Magic Bus

02/2024 - 05/2024

Cloud Computing & Azure Developer

In the internship at Azure I was part of the team to develop a Healthcare & Pathology Classification system

In this project, my responsibilities included (Home, About, Chat, Online Buy, Book An Appointment, Pathology Report)

My responsibilities included [To utilize for the project HTML, CSS JavaScript (Frontend), In Backend Python, Flask & Sqlite3, such as data analysis, Data validation, Processing rules, Error handling, Workflows or testing the system]

Planning and designing the overall structure of cloud solutions, ensuring they are scalable, secure, and cost-effective

Writing code for applications that run on Azure, utilizing services such as Azure Functions, App Services, and Logic Apps

This includes front-end, back-end, and full-stack development

Leveraging Azure's data services, such as Azure Monitor, Virtual Network, and App Service, for storing, managing, and analyzing data

Building intelligent applications with Azure's AI and machine learning services, such as Azure Machine Learning, Cognitive Services, and Bot Service

While I also collaborated closely with my teammates on [other tasks like validation, testing, or implementing feedback]

Our joint effort led to a successful and efficient system

Inlustro

02/2023 - 05/2023

Full Stack Developer

Developed, coded, modified and debugged application programs of varying degree of complexity with full independence.

Cultivated good working relationships with clients, strategic partners and internal teams and explained technical concepts clearly to internal and external audiences.

Provided technical support to end-users, addressing their concerns promptly to maintain a positive customer experience.

Worked with senior developers and designers to implement [Software] using HTML, CSS and JavaScript.

Built front-end web Interface for engineers to control and monitor onboard system that visualized perceived surroundings and set routes of autonomous driving system.

Conducted unit testing to deliver optimal browser functionality.

Project

Social Media Platform GUVI

Technologies Used: MERN stack (MongoDB, Express, React, Node.js), Tailwind CSS.

Implemented user authentication and authorization using JWT for secure access.

Built interactive features like posting, commenting, liking, and real-time messaging.

Designed a modern, responsive UI using Tailwind CSS to enhance user experience across devices. Developed a RESTful API to manage user data and content efficiently.

Integrated a notification system and dynamic newsfeed for personalized content delivery.

Deployed the application on Render with CI/CD pipelines for scalability and performance optimization.

A powerful JavaScript library for building dynamic and responsive user interfaces.

Uses a component-based architecture for reusable UI elements.

A server-side JavaScript runtime that allows executing JavaScript outside the browser.

Pathology Classification and Healthcare Magicbus

Designed a preprocessing pipeline for cleaning and normalizing medical imaging data (e.g., X-rays, MRIs). Built a convolutional neural network (CNN) to classify diseases from imaging datasets.

Integrated the model into a user-friendly web interface for real-time predictions.

Optimized model performance to ensure scalability and reliability in healthcare settings. Collaborated with healthcare professionals to validate results and align system outputs with clinical requirements.

Deployed by Azure and Frontend and Backend by HTML/CSS, Javascript & Python

Education

Master of Computer Application	2022 - 2024
Vels Institute of Science and Technology Advanced Studies	
76.5%	
Bachelor of Science (Computer Science)	2019 - 2022
Dhanraj Baid Jain College	
78%	

Skill

MongoDB

MySQL	■	■	■	■	■
React JS	■	■	■	■	■
HTML	■	■	■	■	■
CSS	■	■	■	■	■
Javascript	■	■	■	■	■
Node JS	■	■	■	■	■
Restful APIs	■	■	■	■	■
Express JS	■	■	■	■	■
Adaptability to be an active team player	■	■	■	■	■
Strong Interpersonal skills	■	■	■	■	■
Communication and Presentation skills	■	■	■	■	■
Critical thinking with problem solving ability	■	■	■	■	■
Active Listening	■	■	■	■	■
Time Management	■	■	■	■	■
Decision Making	■	■	■	■	■
Data Analysis	■	■	■	■	■
Communication Skills	■	■	■	■	■
Azure	■	■	■	■	■

Interest

- Cricket
- Writing
- Languages
- Reading
- Public Speaking
- Music

Activities

- Meditation
- Salutation to (Goddess) Twilight
- Handwriting practice
- Reading newspapers & Books Study related work
- Workout Exercises

Certifications

Full Stack Developer & Internship Certificate

Inlustro

Web Development

Open Weaver

Machine Learning A-Z: AI, Python & R + ChatGPT Prize [2024] (Udemy)

Udemy

Participation Completion in the final stage of the Olympiad in Physics

Precise Energy

MongoDB

GUVI

MySQL

GUVI

Full stack Development by GUVI (Certification by IIT Madras)

GUVI

Az-900

Magicbus

Roughish K.V