

# Koushik Kunavakkam Vinchimur

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Nationality: Indian | Birthday: 25/10/1999



## Objective

A Highly adaptable and results-oriented Full Stack Developer with extensive experience designing, developing, and deploying scalable web applications. Proficient in both front-end and back-end development using technologies such as HTML, CSS, JavaScript, React.js, Node.js, and databases like MongoDB and SQL. Adept at creating responsive, user-centric interfaces and optimizing application performance to ensure seamless functionality. Skilled in collaborating with cross-functional teams to deliver efficient solutions that meet business objectives. Recognized for a strong work ethic, quick learning ability, and a passion for leveraging technology to solve complex problems. Known for thriving in fast-paced environments, demonstrating excellent communication skills, and continuously embracing emerging tools and frameworks to stay ahead in the ever-evolving tech landscape. Actively seeking opportunities to contribute expertise, drive innovation, and build impactful applications that enhance user experiences and foster organizational growth.

## Work Experience

GUVI08/2024 - 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 Bus02/2024 - 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** 08/2024 - 11/2024  
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.

**Pathology Classification and Healthcare** 02/2024 - 05/2024  
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 Application08/2022 - 05/2024

Vels Institute of Science and Technology Advanced Studies

76.5%

Bachelor of Science (Computer Science)07/2019 - 05/2022

Dhanraj Baid Jain College

78%

Skill

MongoDB	<div><div></div><div></div><div></div><div></div><div></div></div>
MySQL	<div><div></div><div></div><div></div><div></div><div></div></div>
React JS	<div><div></div><div></div><div></div><div></div><div></div></div>
HTML	<div><div></div><div></div><div></div><div></div><div></div></div>
CSS	<div><div></div><div></div><div></div><div></div><div></div></div>
Javascript	<div><div></div><div></div><div></div><div></div><div></div></div>
Node JS	<div><div></div><div></div><div></div><div></div><div></div></div>
Restful APIs	<div><div></div><div></div><div></div><div></div><div></div></div>
Express JS	<div><div></div><div></div><div></div><div></div><div></div></div>
Adaptability to be an active team player	<div><div></div><div></div><div></div><div></div><div></div></div>
Strong Interpersonal skills	<div><div></div><div></div><div></div><div></div><div></div></div>
Communication and Presentation skills	<div><div></div><div></div><div></div><div></div><div></div></div>
Critical thinking with problem solving ability	<div><div></div><div></div><div></div><div></div><div></div></div>
Active Listening	<div><div></div><div></div><div></div><div></div><div></div></div>
Time Management	<div><div></div><div></div><div></div><div></div><div></div></div>
Decision Making	<div><div></div><div></div><div></div><div></div><div></div></div>

**Data Analysis**



**Communication Skills**



**Azure**



## Interest

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

## Activities

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- Meditation
- Salutation to (Goddess) Twilight
- Handwriting practice
- Reading newspapers
- Study related work

## Certifications

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**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

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