

Bharath Mudduluru

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SKILLS

Languages : C++, Python, SQL
Frameworks : MERN (MongoDB, Express, React, Node.js), Next.js Tailwind CSS, SASS, HTML, CSS, JavaScript, JQuery, MySQL.
Data Science : R, Tensorflow, Pandas, Numpy, Matplotlib
DevOps and API Tools : Git, Docker, Insomnia, Cisco Packet Tracer
Cloud and Security Tools : AWS, Azure Cloud
Others : DSA, OOPS, Mentorship and Team management, Leadership RPA, UiPath Studio, Agile (Scrum)

EDUCATION

Vellore Institute of Technology, Vellore	B-Tech in Computer Science and Business Systems CGPA: 8.75	2021 - present
Fiitjee, Hyderabad	HSC TSBIE SCORE: 95%	2019-2021 (CLASS XII)
Sanskruithi Global School, Vizag	High School CBSE SCORE: 94.4%	2019 (CLASS X)

EXPERIENCE

Urbanchat.ai Intern (Remote) Offer letter	June 2024 –Present
<ul style="list-style-type: none">Developed and maintained backend services and APIs using Node.js and Express.js, contributing to the enhancements of 2 new features and improving performance by 15%.Optimized chatbot responses by optimizing system and base prompts and working with Pinecone database, resulting in a 60% increase in chatbot accuracy.Designed and implemented responsive UIs using Next.js.	
Neovatic Technologies Pvt Ltd Intern (On-Site) Certificate Project Demo	November 2023 –December 2023
<ul style="list-style-type: none">Engineered a robust React-Node.js application with restricted API access for authorized users, integrating dynamic data displays and profile management, resulting in a 30% boost in data access speed and user satisfaction.Successfully executed UiPath RPA automation using web scraping techniques, extracting API data to Excel, and seamlessly distributing it via email attachments reducing manual work by 50%.	

PROJECTS

IVYESTATE MongoDB, React, Express.js, Node.js, Tailwind CSS	[Demo] [Hosted Link] [GitHub]
<ul style="list-style-type: none">Created a real estate platform using the MERN stack, achieving a full-stack, seamless solution.Designed and executed a responsive and dynamic UI, optimizing user experience and accessibility across devices.Integrated Redux for efficient state management, improving data consistency and reducing application load time by 20%.Built efficient RESTful API services with Express.js and Node.js, enhancing server and client app data interaction.	
UrbanMart Bootstrap, CSS, HTML JavaScript, Express.js, Node.js, MySQL, Stripe	[GitHub]
<ul style="list-style-type: none">Implemented dynamic product displays and advanced search features, improving product discovery by 25%.Integrated MySQL for efficient transaction storage and real-time updates, and implemented secure payment processing with Stripe, ensuring data integrity and security.Crafted a responsive, mobile-first user interface using HTML, CSS, and JavaScript, ensuring a seamless and intuitive shopping experience across all devices.	
EcoVision Python, PyTorch, YOLO v5, OpenCV	[GitHub]
<ul style="list-style-type: none">Managed the data preparation phase, including the collection, annotation, and augmentation of over 500 images, ensuring robust model training on diverse waste object instances.Fine-tuned the YOLO v5 model on a custom dataset, achieving a detection precision of 90% and recall of 85%, significantly outperforming baseline models.Integrated the trained model into a real-time detection system, capable of processing live video feeds, contributing to sustainable environmental management practices.	

POSITION OF RESPONSIBILITY

Technical Head IEEE TEMS	December 2023 – Present
<ul style="list-style-type: none">Managing all the 4 technical domains of the chapter.Mentored chapter members in various technical domains, providing guidance and support to overcome challenges, and successfully organized and conducted multiple technical events, resulting in increased member engagement and skill development.	

CERTIFICATIONS

Azure Administrator Associate Microsoft	View Credential
AWS Certified Cloud Practitioner Amazon	View Credential
The Web Developer Bootcamp 2024 Udemy	View Credential