Vishvendra Reddy Bhoomidi

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🌐 [My Portfolio](#)   in [LinkedIn Profile](#)

Objective

Dynamic computer science professional with a robust foundation in programming, AI, and software development. Proven track record in leading and delivering impactful projects. Seeking opportunities to drive innovation and create meaningful contributions in software and AI development.

Education

University of Michigan   *Dearborn, MI*
Master of Science in Artificial Intelligence   *Expected Graduation: December 2025*

The Pennsylvania State University   *University Park, PA*
Bachelor of Science in Computer Science   *Graduation: May 2024*

Work Experience

V&U Intellect Consultants Pvt Ltd   May 2023 – Present
Director

- Led recruitment strategy and managed a team of 50+ employees, improving team productivity by approximately 25% by enhancing morale and aligning team skills with project goals.
- Directed the end-to-end development of a key business app, resulting in a 40% increase in operational efficiency and streamlined internal processes post-launch.
- Formulated and executed targeted marketing strategies, achieving approximately 35% growth in brand reach and 25% growth in new client acquisition.
- Represented the company in international meetings with university delegates, establishing 3 long-term partnerships with educational institutions globally.

Surge Business Development   Sep 2021 – Feb 2022
Business and Technology Intern, Team Manager

- Managed a cross-functional team to complete web development and software projects, increasing project turnaround speed by 30% through effective team management and coordination.
- Developed and launched an interactive website, leading to a 50% improvement in user engagement and a noticeable increase in website traffic.
- Enhanced leadership and client communication skills through direct client interactions, contributing to an overall project success rate of 95% during the internship.

Slim Chickens   Aug 2021 – May 2023
Retail Dining Team Member

- Provided consistent customer service during high-volume operations, contributing to a customer satisfaction rate of approximately 95%, as reflected in positive customer feedback.
- Cross-trained team members and optimized scheduling, helping reduce wait times by 15% during peak hours.
- Received recognition from staff and managers as the **best employee** for consistently exceeding performance expectations and contributing to team success.

Technical Skills

Frontend: HTML, CSS, Bootstrap, JavaScript, React
Backend: C, Java, Python, C++, Node.js
Database: MySQL, PostgreSQL, MongoDB
Design: Figma, Canva, Adobe Photoshop
Extra Tools: Git, GitHub, MediaQuery, Microsoft Office, Linux

Projects

AI-Based Facial Recognition System

- Implemented a convolutional neural network (CNN)-based facial recognition model capable of real-time identification and tracking with 95% accuracy under varying lighting and accessory conditions.
- Managed data preprocessing, augmentation, and model training using **Python, OpenCV, TensorFlow, and NumPy**.
- Developed a live video feed integration for face tracking using **MediaQuery** for responsive handling across devices.

EatFit – Fully Functional E-commerce Website

- Built a dynamic e-commerce website featuring user authentication, product browsing, cart management, and a secure checkout process.
- Designed the frontend using **HTML, CSS, Bootstrap, and JavaScript**, enhancing user experience with a responsive layout.
- Developed the backend using **Node.js** and **MySQL**, implementing robust database interactions for user data and order management.
- Created the UI prototypes using **Figma** for streamlined design workflow.

Tic-Tac-Toe AI Game

- Developed an intelligent Tic-Tac-Toe game that employs a Minimax algorithm to play optimally against human players.
- Implemented the game logic using **Python**, leveraging recursive techniques and game tree analysis to simulate perfect AI decision-making.
- Designed an interactive and user-friendly interface using **Tkinter**, ensuring seamless gameplay and visual feedback.
- Focused on core AI concepts such as decision trees, state evaluation, and adversarial search to enhance the game's challenge and player experience.

File System Architecture

- Designed and implemented a file system supporting efficient data storage, retrieval, and organization with robust error handling and access control features.
- Built using **C** for system-level programming, focusing on concurrency and scalability for large datasets.
- Utilized **Git** and **GitHub** for version control and collaborative development.

Concurrency Project

- Developed a concurrent programming solution in **C**, implementing blocking and non-blocking send/receive channels.
- Focused on inter-process communication constructs, leveraging concurrency principles inspired by Google's Go language.
- Engineered a modular architecture using custom data structures to enable thread-safe operations, focusing on high-performance and scalable concurrent programming.

DoneWith – Mobile Resale App

- Developed a mobile application for the resale of unused items, featuring a user-friendly interface, secure payment integration, and intuitive item search functionality.
- Built the frontend using **React** for dynamic and responsive UI components, ensuring seamless user interaction across devices.
- Implemented the backend using **Node.js** and **Firebase** to handle real-time data management and authentication.
- Enhanced cross-platform performance by integrating **MediaQuery**, ensuring smooth navigation and accessibility on mobile and web platforms.

LionAuction – Online Auction Platform for LSU

- Created an online auction website for Louisiana State University members to buy and sell pre-owned items.
- Designed the frontend with **React.js** and **Bootstrap**, enhancing user interactivity with a responsive and dynamic interface.
- Built the backend with **Node.js** and **MongoDB**, ensuring seamless data management and secure transactions.
- Enhanced platform aesthetics using **Adobe Photoshop** and **Canva** for branding and promotional visuals.

Accomplishments

- Elected as a member of the **College Student Panel**, contributing to discussions and initiatives for academic improvements.
- Participated in **DevPSU Web Development**, collaborating on web-based projects to enhance technical skills and teamwork.
- Achieved **Dean's List** honors in Spring 2020, Fall 2020, and Spring 2021 semesters for outstanding academic performance.
- Served as **Vice-Captain** of my high school and college soccer teams, showcasing leadership and teamwork on and off the field.
- Earned recognition through **Mathematics Olympiad Awards**, demonstrating strong analytical and problem-solving skills.
- Acted as a **Mentor** at Penn State University, guiding fellow students in academic and personal growth.
- Alumni of the **GELE (Global Engagement and Leadership Experience)** program at Penn State University.

Involvements

- Served as the **Captain of NCC (National Cadet Corps)** in high school for two years, fostering discipline, leadership, and teamwork.
- Participated in the **Leadership Camping Program** organized by the Government of Telangana, enhancing strategic thinking and collaboration.
- Acted as the **Lead Organizer** for programs conducted on **International Day of Yoga 2017**, promoting health and mindfulness.
- Volunteered with **Health Matters**, an organization advocating mental health education and awareness.
- Organized an **Artificial Intelligence Awareness Seminar** at **Meluha Fest 2019**, showcasing AI concepts to students and professionals.
- Took an active role in organizing a **Website Development Workshop** at **EduCare 2021**, educating participants on web technologies and development.