**SHANMUKHA C G  KUMAR MAGAPU**

mshannu@umich.edu| +1(313)909-2278  |https://shanmukh-magapu-portfolio.netlify.app/|

https://www.linkedin.com/in/magapu-shanmukh-a6639520b/| https://github.com/SHANMUKH405 | Dearborn , Michigan , USA

Myself Innovative and results-driven Software Engineer with hands-on expertise in full-stack development , and AI-powered solutions. Co-Founder of ThePortfolyo, with experience building and deploying 150+ scalable web applications using modern technologies including React.js, Next.js, Node.js AWS, and microservices architecture.

## EDUCATION

- **University of Michigan-Dearborn**                               **August 2024 - May 2026**
  Masters in Computer & Information Science
  **Roles**: Technical Event Chair Head, DCE Club , Research Assistant                  **CGPA:3.7**
  **Relevant Coursework:** Data Structures and Algorithm | Software Engineering | Database Management |AI and ML| Embedded Systems | Web Development
- **University of Engineering and Management, Kolkata, India (IEM-UEM)**        **August  2020 - May 2024**
  Bachelor of Technology in Computer Science and Technology        **University Gold Medalist | CGPA:3.928 |**
  **Relevant Coursework:** Data Structures and Algorithm | Software Engineering | Database Management | Operating Systems | AI and ML|Computer Architecture|UI/UX|

## SKILLS

- **Front-End Development:** JavaScript, HTML,CSS, Tailwind CSS, React.js, Next.js, Vue3.js, Angular, jQuery
- **Back-End Development:** Node.js, Express.js,.ASP.NET, RESTful APIs, Ruby, MongoDB, MySQL
- **Data Analysis and visualization:**  Python, Pandas, NumPy, Matplotlib , Seaborn
- **Programming Languages:** Python , JavaScript ,Java
- **Web Services**:  Web Services Architecture ,XML , JSON
- **AI/ML** : Deep Learning , Reinforcement learning
- **Cloud & DevOps:** AWS (EC2, SaaS), Docker, CI/CD Pipelines, Microservices Architecture ,Project Management
- **Version Control & Tools:** Git, GitHub, Postman, Chrome DevTools, VS Code, Jupyter Notebook

## WORK EXPERIENCE

### Co-Founder | FullStackDeveloper | ThePortfolyo                       **Dec 2023 – Present**

- Developed and deployed 150+ interactive web applications using React.js, Next.js, Vue.js, Node.js, MongoDB, AWS.
- Co-developed an industry-first AI-powered platform that instantly generates a professional portfolio from a resume in under 5 seconds — revolutionizing the way individuals showcase their skills and experience online.
- Optimized website performance and load times by implementing lazy loading & efficient API calls.
- Implemented debugging strategies and automated testing (Jest, Cypress) to improve code reliability.
- Led cross-functional teams across front-end development, UI/UX design, and website performance optimization
- Led functional teams across marketing, operations, recruiting, and technology as CoFounder.

### Software Engineer | Webriy                              **Jan 2023-Nov 2023**

- Contributed to the development of responsive and SEO-optimized websites for clients such as BNZ India and Eventive Communications, using platforms like WordPress and Webflow.
- Collaborated with UI/UX designers and developers to deliver high-performance digital solutions, improving client engagement and streamlining development by 15% through efficient version control and MERN stack integration.

### Software Developer Associate (Intern) | Legal Seva | Bangalore            **Aug 2022-Jan2023**

- Designed and implemented responsive user interfaces using React and CSS3, improving operational efficiency by 30%. Optimized web applications for cross-browser compatibility and performance, ensuring seamless user experience
- Designed and launched Legal Seva, reducing lawyer consultation costs by 20%.
- Developed cross-browser compatible UI, improving site accessibility by 30%.
- Resolved application issues, achieving 99.9% uptime and cutting response time by 25%.

## PROJECTS

**ThePortfolyo – AI-Powered No-Code Portfolio Builder** *(Co-Founder | Full-Stack Developer)*

- Developed ThePortfolyo, an AI-driven no-code portfolio platform enabling users to generate professional portfolios instantly from resumes.
- **Website :https://www.theportfolyo.com/**

**Green Sight Problem Statement from Coal India**                    **Jun 2023-Oct 2023**
- Led Green Sight Project at Smart India Hackathon, emphasizing Image Data Analysis

**SQL Database Food Ordering Application**                    **Feb 2022 - Mar 2023**
- Spearheaded SQL database integration for admin panel and user frontend, optimising data handling
- Developed a responsive front-end using React and CSS3, integrated with a PHP-based backend to ensure seamless user experience and optimized data handling

**Brain Tumor Detection with YOLOv8**
- End-to-end detection and localization on annotated MRI scans for three tumor types.
- YOLOv8 Real-time detector. Pretrained on COCO, fine-tuned for medical imaging. Outputs class and bounding box.

AND MANY MORE PROJECTS: https://shanmukh-magapu-portfolio.netlify.app/

## RESEARCH PAPER

**1)Central Bank Digital Currency (CBDC) and Application Development**                    **June 2023 - Jan 2024**
**Efficient Full Stack Machine Learning Infrastructure for Real-Time Fraud Detection in Financial Transactions**
                    **Mar 2023 - Dec 2023**
**3)Software testing and analysis: process, principles, and techniques**                    **Nov  2022 - present**

## CERTIFICATIONS

- AWS Cloud Practitioner Certification (AWS)
- Full Stack Development (MyCaptain - IIM Bangalore)
- Database Management System (NPTEL - IIT Madras)
- Java Programming & AI Fundamentals (MyCaptain - IIM Bangalore)
- GitHub Professional Certification (LinkedIn)
- Data Structures & Algorithms Mastery (Code with Mosh)