

## SHANMUKHA C G KUMAR MAGAPU

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Innovative and results-driven Software Engineer with hands-on expertise in full-stack development , and AI-powered solutions. Co-Founder of [ThePortfolio](#), with experience building and deploying 150+ scalable web applications using modern technologies including React.js, Next.js, Node.js AWS, and microservices architecture developed an industry-first AI-powered platform that instantly generates a professional portfolio from a resume in under 5 seconds Proven ability to lead cross-functional teams, optimize system performance, and deliver seamless user experiences. Strong foundation in data structures, algorithms, and database management, backed by academic excellence and research experience. Seeking an opportunity for an interview to demonstrate my skills, passion, and showcase my ability to build impactful real-world applications.

### EDUCATION

- **University of Michigan-Dearborn** **August 2024 – May 2026**  
Masters in Computer & Information Science  
**Leadership Role:** Technical Event Chair Head, DCE Club **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, Vue.js, Angular, jQuery
- **Back-End Development:** Node.js, Express.js,.Net RESTful APIs, SOAP, MongoDB, MySQL
- **AEM & Web Services:** AEM Cloud Manager, AEM Security Model, Web Services Architecture ,XML , JSON
- **Testing & Debugging:** Jest, Cypress, Unit Testing, Website Performance Optimization, Debugging Strategies
- **Cloud & DevOps:** AWS (EC2, SaaS), Docker, CI/CD Pipelines, Microservices Architecture
- **Version Control & Tools:** Git, GitHub, Postman, Chrome DevTools, VS Code, Jupyter Notebook **and Many More**

### WORK EXPERIENCE

#### Co-Founder | FullStackDeveloper | [ThePortfolio](#) **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.

#### Web Developer (Intern)| ICCW **Jan 2023-March 23**

- Co-developed an application for Startup Incubation Centers at IIT Madras, achieving 83% efficiency in resource allocation.
- Collaborated with cross-functional teams using the MERN stack, reducing development time by 15% through streamlined coding practices and version control strategies.

#### 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

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

- Developed ThePortfolio, an AI-driven no-code portfolio platform enabling users to generate professional portfolios instantly from resumes.
- Engineered one-click website transformation, allowing users to seamlessly switch between multiple portfolio templates.

- Implemented AI & SEO optimization, enhancing visibility and providing personalized career insights.
- Designed an intuitive, mobile-friendly UI, ensuring seamless portfolio management on the go.
- Empowering job seekers, freelancers, and recruiters with real-world skill showcases beyond traditional resumes.
- **Website :** [ThePortfolyo](https://ThePortfolyo)

#### **Green Sight Problem Statement from Coal India**

**Jun 2023-Oct 2023**

- Led Green Sight Project at Smart India Hackathon, emphasizing Image Data Analysis
- Developed computer vision algorithm for tree detection in satellite imagery
- Topped inter-university Internal Hackathon, excelling in website-machine learning model connections as a React Developer

#### **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
- Enabled collaborative frontend-backend integration with APIs and data flow diagrams for enhanced functionality

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

### **RESEARCH PAPER**

#### **Central Bank Digital Currency (CBDC) and Application Development**

**Jun 2023 - present**

- Authored a research paper on CBDC architecture and security implications.
- Explored technical aspects & real-world challenges of implementing CBDCs in India.

#### **Efficient Full Stack Machine Learning Infrastructure for Real-Time Fraud Detection in Financial Transactions**

**Mar 2023 - Dec 2023**

- Gained an in-depth knowledge of a scalable, cloud-native architecture, enabling rapid scaling and near-instantaneous fraud detection through real-time data processing

#### **Software testing and analysis: process, principles, and techniques**

**Nov 2022 -present**

- This research thesis on software testing and analysis provides an in-depth examination of the processes, principles, and techniques employed in ensuring software quality and reliability.

### **EXTRACURRICULARS**

- Secured cups and multiple medals at the Mandal-level badminton competition
- Volunteered and participated in the development tech team for URECKON TECH FEST, the largest tech fest in the university
- Participated in the Smart India Hackathon addressing the Green Sight Problem Statement from Coal India, focusing on computer vision for accurate tree detection in forest areas
- Technical Event Chair @ Dearborn Campus Engineers (**DCE CLUB**) in University of Michigan

### **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)

### **SCHOLARSHIPS and AWARDS**

- IEM-UEM Alumni Foundation Scholarship – Awarded \$2000 (1,40,000 INR) for academic excellence
- Gold Medalist & Ranker's Badge– University of Engineering and Management
- Startup Innovations Honor - Inter University Competitions
- **Hobbies :** Badminton, Trading, Gym, Exploring Places, Reading Books ,Watching Movies