

DARSHAN MANOJ

Los Angeles, CA | 323-772-3884 | darshandhokajain@gmail.com | linkedin.com/in/darshanjm | [Github Profile](#) | [Portfolio Link](#)

EDUCATION

University of Southern California

Master of Science, Computer Science (CGPA - 3.15/4.0)

August 2024–May 2026

Los Angeles, United States

- Coursework: Analysis of Algorithms, Web Technologies, Machine Learning and Database Systems

Amrita Vishwa Vidyapeetham

Bachelor of Technology, Computer Science (CGPA-8.92/10)

July 2019–July 2023

Coimbatore, India

- Coursework: Data Structures & Algorithms, Database Management, Operating Systems, and Cloud Computing

SKILLS

Languages: Python, C/C++, JavaScript, Typescript, SwiftUI, C#, Java, PHP, Linux / Unix

Frameworks & Tools: React, Angular, Flask, Node.js, Express.js, Bootstrap, NumPy, Pandas, Scikit-learn, Matplotlib, Tensorflow, Microsoft Office & Excel, Git & Github, Postman, Xcode, Jenkins

Database and Cloud Technologies: SQL, Oracle DB, MongoDB, Amazon Web Services, Google Cloud Platform (Certified), Kubernetes, Docker, RabbitMQ, GraphQL

WORK EXPERIENCE

Software Engineer

Sthalam Decors Pvt. Ltd.

May 2023–July 2024

Chennai, India

- Designed and optimised a fully functional e-commerce platform, including user-friendly interfaces, secure payment integration, and backend systems for logistics. Utilized CI/CD and agile strategy to improve collaboration. ([Project Link](#))
- Built and deployed a custom low-level Customer Relationship Management (CRM) system using JavaScript, enabling automated scheduling, client insights, and client priority ranking for sales teams; reducing lead conversion costs by 40%.
- Streamlined and automated workflows by digitizing manual processes, including billing, inventory management, and customer service, through Python, C++, JavaScript, and Google App Scripts, achieving an 80% reduction in task completion time.
- Utilized tools and platforms including HTML5, CSS, JavaScript, WordPress, Shopify, Meta Business Tools, Razorpay API and Shiprocket API to deliver scalable solutions and improve operational efficiency.

Research Intern

Lakehead University, Mitacs Globalink

May 2022–August 2022

Thunder Bay, Canada

- Developed first of its kind cross-chain interoperable blockchain bridge for enabling communication between different blockchains. Utilised concurrency and parallel computing for developing the core solution
- Published the research work at IEEE Internet of Things Journal. ([Research Paper - Link](#))

ACADEMIC PROJECTS

Smart Helmet | Embedded IoT Hardware, Machine Learning, Python, Android App Development

([Article Link](#))

- Developed an AI-powered helmet for cyclists, integrating real-time safety alerts and health monitoring.
- Built a voice-enabled navigation system (Python, Google Maps API) and a YOLO-based road sign detection model on Raspberry Pi.
- Achieved 85%+ accuracy in sign detection; presented at the **EU Urban Mobility Hackathon** and won 1st place.

Invi-chat | JavaScript, Node.js, Express, React, Twilio, MongoDB, AWS, Python

([Youtube Link](#))

- Built a social media-driven inventory management bot using microservices for seamless client-server interaction.
- Integrated Twilio API for WhatsApp messaging and ML-based recommendations for inventory insights.
- Deployed on AWS EC2, exploring serverless (Lambda) functions; led the team at **Amazon Smbhav Hackathon**, securing 3rd place.

Web & iOS Mobile Weather App | Flask, JavaScript, Angular, Node.js, MongoDB, SwiftUI, GCP

([Github Link](#))

- Built a weather app leveraging Tomorrow.io, IPinfo, Google Places API, and Highcharts for real-time forecasts.
- Developed three variations (Flask-JS, Node-Express-Angular-MongoDB, SwiftUI-Node-Express) to analyze performance, systems design, and design pattern
- Deployed on Google Cloud Platform, optimizing response times by 30% through efficient API proxying.

Recruiter Connect AI | Python, JavaScript, LangChain, ChromaDB, Mistral & LLaMA LLM, SMTP

([Github Link](#))

- Built an AI-powered job application assistant that scrapes LinkedIn job details and stores them in a vector database.
- Leveraged Mistral & LLaMA LLM to generate personalized cover letters, automating 100+ email applications via Google SMTP.
- Developed as part of GRIDS-USC, enhancing expertise in LLMs, vector databases, and AI-driven automation.