

VISHNU BHAGIRATHAN

• Product Designer •

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ABOUT ME

From weaving digital landscape to unearthing data's hidden narratives, my creativity flows through code and design. I bridge the digital human divide, effortlessly navigating customer queries and data. Adaptability and innovation are my compass, guiding me towards collaborative teams where I can blend technical prowess with a service oriented spirit to make a lasting impact.

EDUCATION

2017 - 2021 • **Visvesvaraya Technological University (VTU)**

Bachelor in Engineering
Computer Science and Engineering

2016 - 2017 • **Kendriya Vidyalaya [CBSE]**

Senior Secondary (12th grade)
Computer Science

EXPERIENCE

Jan 2024 Mecwin Technologies Pvt. Ltd, Bengaluru

Sep 2024 Product Designer - Team Lead

I lead the end-to-end development and lifecycle management of in-house and customer-facing software products, aligning cross-functional teams and product strategy with Mecwin's business goals. My work spans IoT-based SCADA systems, canteen management, e-commerce with manufacturing analytics, and internal tools that boost operational efficiency. I also manage MQTT brokers, oversee AWS and Azure infrastructure, and ensure all systems remain scalable, secure, and reliable — driving user experience, efficiency, and long-term innovation.

Feb 2023 SGBS Unnati Foundation (UNXT), Bengaluru

Sep 2023 Change Maker

My experience as a Change-Maker at SGBS Unnati Foundation(NGO) has been instrumental in developing my skills as an educator, mentor, and advocate for underprivileged students. It has provided me with valuable insights into the power of education in driving social change. As a Change-Maker, I work directly with students, providing them with guidance and support to help them achieve their educational and career goals. I collaborate with a team of professionals to design and implement personalized learning paths for a student.

May 2021 Knight Bite, Mangalore

June 2021 Part Time

Customer sales and support agent, where I handled various customer queries and managed their food order and customer details database.

April 2021 K-tech Innovation Hub (PACE-NAIN incubation Centre)

May 2021 Internship

This initiation by Govt. of karnataka aims to encourage entrepreneurship and innovation it is proposed to establish incubation centres in the ICT sector in association with selected engineering colleges at district headquarters. Working on the "Am the Eye" - an AI based project to help the visually challenged with neuro signal I/O during my final year of engineering.

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EXPERTISE AND INTERESTS

- n8n
- Agentic AI
- Vibe Coding
- Adaptability
- Interpersonal communication skills
- Figma
- Framer
- Adobe Creative Cloud
- Market ResearchUX Research
- End to End Product Design
- Practical knowledge of SQL and database concepts
- Azure, SQL Server, AWS
- Agile
- End to End Product Design
- WCAG

PROJECTS

Mecwin Nethra - SCADA System

Directed the full cycle design & development of Mecwin Nethra, an advanced SCADA based IoT monitoring and control platform designed for solar pumping and motor management applications. The system enables realtime data acquisition, performance analytics, and remote control through a secure, cloud integrated infrastructure. I led cross-functional teams spanning embedded systems, UI/UX design, and cloud engineering to architect and deploy a scalable solution leveraging MQTT protocols and 4G/2G connectivity. Under my leadership, the team successfully aligned product functionality with field requirements, optimized communication reliability, and implemented an intuitive web and mobile interface. The result was a robust, production-grade SCADA ecosystem that significantly enhanced operational visibility and control across Mecwin's nationwide deployments.

Mecwin WorkRoute - Field management and workforce tracking system

Oversaw the complete design and development of Mecwin WorkRoute, an integrated field management and workforce tracking system tailored for service and maintenance operations. The platform was built to streamline task allocation, route optimization, and real-time field engineer monitoring through a centralized cloud interface and travel reimbursement calculator. I guided cross-functional teams across UI/UX design, backend engineering, and mobile app development to deliver a data-driven solution featuring GPS tracking, automated reporting, and IoT device integration. The deployment of WorkRoute improved service response times, enhanced accountability, and established a standardized digital workflow across Mecwin's nationwide service network along with a reduction of around 50% in service engineer travel reimbursements.

Mecwin Order Management System - ERR + Production Tracking + Order Management

A platform designed to digitize and streamline Mecwin's product order, tracking, production and fulfillment processes. The system centralizes operations across departments covering sales, production, logistics, and after sales support etc through an integrated cloud based interface. I coordinated cross-functional collaboration between UI/UX, backend, and database teams to design a scalable architecture that ensures real-time visibility, order accuracy, and process automation. The OMS implementation significantly improved operational efficiency, reduced manual dependencies, and established a unified digital workflow that enhanced coordination between manufacturing units, distributors, and clients across India.

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PERSONAL PROJECTS & COMMISSIONED WORKS

- **Am the Eye (Final Year Project)** - Embedded assistive tech device for the visually impaired enabling smartphone control via gestures, a custom glove, and haptic Braille feedback. Sponsored by K-Tech Innovation Hub, Govt. of Karnataka.
- **IntelliArx** - SaaS platform specializing in AI/ML, SAP, and blockchain-based enterprise solutions.
- **Malnad Dreams** - Regional tourism and cultural promotion website for Malnad region.
- **Greens Toronto (Canada)** - Web platform for an insurance, mortgage, and immigration brokerage firm.
- **Finhouse Accounting Service (U.A.E)** - Portfolio website for an accounting and financial consultancy.
- **Underground Dance World (U.A.E)** - Branding and website design for a Dubai-based dance and performing arts studio.
- **Al Sabahia (U.A.E)** - Corporate portfolio website for a general trading and contracting company.
- **Eglobe Infra (Bangalore)** - Consultancy firm portfolio highlighting infrastructure and industrial solutions.
- **Mecwin India (Bangalore)** - Company portfolio website and internal product ecosystem for renewable energy solutions.
- **Automated AI Chatbot (Webhook, WhatsApp, Telegram)** - Intelligent chatbot system that builds knowledge bases from PDFs and provides contextual support.
- **Automated Social Media Content Maker** - AI-based tool generating captions, posts, and media content automatically.
- **Self Hosted n8n RAG System** - Retrieval-Augmented Generation setup for integrating contextual data into automation workflows.
- **Self Hosted n8n WebScraper** - Automated competitor analysis scraper built for data collection and strategic insights.
- **Self Hosted n8n LinkedIn Automatio** - Multi agent based system to research trending topics from given set interests scraping from reddit, social media and market research and generate a suitable image and post text content with human in the middle verification.
- **Vibe Coding Setup** - Multi agent Claude Code/Gemini CLI fullstack development team with MCP support and inclusion.

COURSES AND WORKSHOPS

- **AWS** - Operations/Support Engineering - Cloud Computing 101
- **365 Data Science** - The python programmer Bootcamp
- **365 Data Science** - Git and Github
- **FSMK CAMPS 2019** - Data Science and AI
- **Geekslab Technologies in association with AIESEC IIT-Delhi** - MATLAB and Quadcopter
- **IBNC India** - Android and Java
- **IBNC India** - Ethical hacking and Cyber security
- **Computer Society of India** - Image analytics using Python - OpenCV
- **W3Cx WAI10.1x** - Introduction to Web Accessibility

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ACHIVEMENTS AND ACIVITIES

- **Selected to the final round of ARM DESIGN CHALLENGE 2018** - conducted by ARM at IIIT Bangalore
- **Selected for DST & TexasInstruments India Innovation Challenge Design Contest 2018** - Anchored by IIM, Bangalore
- **2nd rank in Hactober Fest hackathon** - conducted by Sahayadri College of Eng. Mangalore
- **Opencode '19** - held at IIIT, Allahabad
- **Speaker for CSS for WebDev workshop** - held online for GLUG PACE
- **Speaker for WebDev workshop** - held at PA College of Engineering
- **Computer Society of India** - Project was selected as one of the best projects among the projects selected for the project exhibition for the academic year 2020-21
- **Time magazine's** - Person of the Year (2006)

LANGUAGES

- **English** - Read, Write, Speak
- **Hindi** - Read, Write, Speak
- **Malayalam** - Speak
- **Kannada** - Speak
- **Tamil** - Speak
- **Gujrati** - Speak

REFERENCE

References available upon request.