Vishal S

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vishal.s@mca.christuniversity.in | linkedin- Vishal S | github-vishal | Portfolio

Professional Summary

Software engineer and quality enthusiast with a hands-on approach to building end-to-end solutions. Specializes in developing scalable software, automating workflows, and ensuring quality through rigorous testing. Experienced with data engineering, cloud platforms, and AR-based visualizations, dedicated to creating innovative technology-driven solutions.

Education

CHRIST (Deemed to be University) — Bengaluru, India
Master of Computer Applications; CGPA: 8.5/10 — *July 2024 – Present*

CHRIST (Deemed to be University) — Bengaluru, India
Bachelor of Science in Computer Science, Mathematics and Electronics; CGPA: 7.4/10 — *June 2021 – May 2024*

Experience

Intern — Front-End Developer — May 10, 2025 – Present
Sensesys Pvt. Ltd. — Information Technology & Services — *Bengaluru, India*

- Developed the frontend for a SaaS web platform using React.js and Vite, building pages for plan selection, checkout, and user dashboards.
- Integrated frontend components with backend REST APIs to enable service purchasing, account management, and real-time data display.

Intern – Academic Content & Teaching Assistant — June 10, 2025 – September 10, 2025
Christ University – Online MCA Program — *Bengaluru, India*

- Assisted faculty in delivering the Operating Systems course by preparing lecture scripts and supporting material for online teaching.
- Created engaging presentations aligned with curriculum and coordinated with instructors for timely delivery.

Projects

PlanMyStudy AI — AI Study Planner | *React.js, Node.js,Prisma,PostgreSQL,Gen AI (Groq API), Render,Vercel*

- Developed an AI-powered learning platform that generates personalized, day-wise study plans and automatically curates learning resources using Generative AI and external APIs based on user input.
- Designed and deployed a scalable full-stack system with secure authentication, progress tracking, and cloud infrastructure to improve learner engagement and course completion.

DocuMind AI – Smart Document Search Chatbot | *React.js, vite, Python.*

- Engineered a Retrieval-Augmented Generation system leveraging FastAPI, Sentence Transformers, spaCy, and FAISS for context-rich search.
- Built a modern React + Vite frontend, supporting real-time querying, source citations, and local AI execution..

Intruder Alert System– IoT-Based MissileDetection | *Arduino Uno, Camera Module, Laser Module, Ultrasonic Sensor*

- Developed an IoT-based missile detection system using Arduino Uno, a pan-tilt camera module, ultrasonic sensor, and laser module for real-time object identification, tracking, and alert warnings.
- Engineered data capture and processing workflows using OpenCV and laser module simulation, ensuring functional testing, performance checks, and quality assurance for reliable automated threat detection and response.

Leadership Experience

Digital Mission Trainers (Python, Cloud Computing) — Nov 2024 – Present
Christ University, Bangalore

Committee Head – Gateways (National Level Fest) — Sept 2024 – Sept 2025
Christ University, Bangalore

Head of Christ University NCC (Junior Under Officer) — Jan 2021 – July 2024
Recipient of prestigious Vice Chancellor's Commendation — Christ University, Bangalore

Technical Skills

Programming Languages: SQL,Python ,Java ,C, JavaScript, R
Frameworks & Libraries: ReactJS, Pandas, NumPy, Selenium
Cloud & DevOps : AWS, GitHub Actions, Docker (Basics), CI/CD
Developer Tools: Git, VS Code, Excel, Android Studio, Figma, Canva , Blender , Unity
Database & Cloud: MongoDB, Firebase, MySQL
Data Science & Analytics: Data Visualization, Machine Learning, SpaCy
IoT & Embedded Systems: Arduino, Sensor Integration, Drone Technology, Real-Time Monitoring Systems, AR/VR

Certifications

Implementing AI Using Cognitive Modeling
JavaScript by Example
Introduction to NoSQL databases
Google Cloud Computing Foundations
CompTIA Cloud+: Cloud Migrations
Prompt Engineering: Cloud Computing & loT Hacking in the Era of GenAl