

# M. Vishnusankar

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Portfolio : portfolio-h63l.vercel.app

## OBJECTIVE

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Aspiring Data Analyst and AI Engineer with a background in **Artificial Intelligence and Data Science**, passionate about transforming data into actionable insights. Proficient in **machine learning**, **data analysis**, and **web development**. Seeking opportunities to contribute to innovative projects and gain real-world experience.

## SKILLS SUMMARY

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- **Languages:** Python, Java, SQL
- **Databases:** MySQL, PostgreSQL
- **Frameworks:** TensorFlow, Scikit-learn, React.js
- **Tools:** Git, GitHub, Cursor, Power BI, Streamlit

## PROJECTS

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### Diabetes Predictor – AI-Based Health Risk Tool

*Project link*

*React, TypeScript, Vite, Tailwind CSS, React Query*

- Developed a machine learning-based diabetes risk predictor with a clean and responsive UI.
- Collected and analyzed user input on health metrics such as glucose, BMI, insulin, and blood pressure.
- Implemented real-time predictions and categorized risk levels as Low, Moderate, or High.
- Integrated React Query for state management and Lucide icons for modern UI design.
- Used modular structure with reusable components (DiabetesForm, PredictionResult, utils).

### Ore Classification System – AI-Powered Web App

*Project link*

*React, TypeScript, Vite, Tailwind, TensorFlow*

- Built a responsive web application to classify ore samples using a CNN ensemble (VGG16, Xception, DenseNet).
- Applied transfer learning and feature fusion to improve classification accuracy.
- Enabled real-time prediction with confidence scores and model-wise performance breakdown.
- Designed an intuitive UI with drag-and-drop upload, animated feedback, and modern glassmorphism effects.

## EDUCATION

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### B.Tech – Artificial Intelligence and Data Science

Ramco Institute of Technology, Tamil Nadu

2022–2025

CGPA: **7.47 / 10**

### Diploma – Mechanical Engineering

PACR Polytechnic College

2019–2022

Percentage: **85%**

## INTERNSHIP EXPERIENCE

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### AI-Powered SQL Generator – NLP to SQL Web App

*[Project link](#)*

*React, TypeScript, Vite, Tailwind CSS, shadcn/ui, TanStack Query*

- Built an AI-driven web app that transforms natural language into SQL queries using NLP.
- Implemented a modern UI using shadcn/ui and Lucide icons with full mobile responsiveness.
- Features include SQL editor, real-time results, schema viewer, query history, and reusable templates.
- Used TanStack Query for data fetching, React Hook Form and Zod for form validation, and Vite for fast builds.

## CERTIFICATIONS

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- AI-Driven Digital Marketing – Ezofis
- SkillBuild: Machine Learning to Generative AI – IBM

## HACKATHON PROJECT

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### Gen-AI (DigiSpotAI) – AI-Powered SEO Content Rewriter

*[Project link](#)*

*React, TypeScript, Vite, Tailwind CSS, shadcn/ui, React Query*

- Built a web application that delivers intelligent SEO analysis and actionable content optimization suggestions.
- Integrated real-time keyword density checks, readability analysis, and meta optimization with AI logic.
- Included technical SEO validations like mobile responsiveness, SSL, links, and image optimizations.
- Designed a fully responsive UI with visual analytics dashboard using shadcn/ui and Lucide icons.

## LANGUAGES KNOWN

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- English – Proficient
- Tamil – Native