# Faisal Riaz - Portfolio Website

A modern, responsive portfolio website showcasing Faisal Riaz’s expertise in Machine Learning, DevOps, and Data Science.

## 🌟 Features

* **Modern Design**: Clean, professional interface with smooth animations
* **Dark/Light Theme**: Toggle between dark and light modes
* **Responsive Layout**: Optimized for all devices (desktop, tablet, mobile)
* **Interactive Components**: Hover effects, smooth scrolling, and engaging animations
* **Project Showcase**: Detailed presentation of 6 featured projects
* **Skills Visualization**: Progressive skill bars and categorized expertise
* **Contact Form**: Functional contact form with email integration
* **Social Integration**: Links to GitHub, Google Scholar, and Twitter

## 🚀 Live Demo

Visit the live website: <https://zl09mrzkwg.space.minimax.io>

## 🛠️ Tech Stack

* **Frontend**: React 18.3 + TypeScript
* **Styling**: Tailwind CSS 3.4
* **Build Tool**: Vite 6.0
* **Icons**: Lucide React
* **Package Manager**: pnpm

## 📱 Sections

### 1. Hero Section

* Professional introduction with call-to-action
* Dynamic background with gradient effects
* Social media links and quick stats

### 2. Projects Section

* 6 featured projects with detailed descriptions
* Category filtering (Machine Learning, DevOps, Data Science, Knowledge Base)
* Interactive project cards with GitHub links
* Technologies and key features highlighted

### 3. Skills Section

* Categorized technical skills with proficiency levels
* Animated progress bars
* Technology icons and descriptions
* Overall expertise overview

### 4. About Section

* Professional journey and timeline
* Core values and achievements
* Areas of interest and specialization

### 5. Contact Section

* Contact form with email integration
* Social media links
* Contact information and availability

## 🏗️ Project Structure

faisal-portfolio/  
├── public/  
│ ├── data/ # JSON data files  
│ └── images/ # Portfolio images  
├── src/  
│ ├── components/ # React components  
│ │ ├── Hero.tsx  
│ │ ├── Projects.tsx  
│ │ ├── Skills.tsx  
│ │ ├── About.tsx  
│ │ ├── Contact.tsx  
│ │ ├── Navigation.tsx  
│ │ └── Footer.tsx  
│ ├── App.tsx # Main app component  
│ ├── App.css # Custom styles  
│ └── main.tsx # Entry point  
├── package.json  
└── README.md

## 💻 Local Development

1. **Clone the repository**

git clone <repository-url>  
cd faisal-portfolio

1. **Install dependencies**

pnpm install

1. **Start development server**

pnpm dev

1. **Build for production**

pnpm build

1. **Preview production build**

pnpm preview

## 🎨 Design Features

### Theme System

* Automatic dark/light mode detection
* Manual theme toggle with smooth transitions
* Consistent color schemes across all components

### Animations

* Smooth scroll behavior
* Fade-in animations on scroll
* Hover effects on interactive elements
* Progressive loading animations

### Responsive Design

* Mobile-first approach
* Flexible grid layouts
* Adaptive navigation menu
* Optimized images and fonts

## 📊 Project Highlights

### Featured Projects

1. **Breast Cancer Metastasis Classification** - ML for medical diagnosis
2. **Retinal OCT Image Classification** - CNN for medical imaging
3. **COVID-19 CT Scan Classification** - Transfer learning for healthcare
4. **Time Series Forecasting** - Deep learning for financial prediction
5. **Prometheus-Grafana Monitoring** - DevOps infrastructure monitoring
6. **The Book of Secret Knowledge** - Comprehensive IT resource collection

### Technical Skills

* **Programming**: Python, TypeScript, JavaScript
* **Machine Learning**: TensorFlow, Keras, PyTorch, Scikit-learn
* **DevOps**: Azure, Prometheus, Grafana, CI/CD
* **Data Science**: Pandas, Matplotlib, Plotly, Power BI
* **Tools**: Git, Docker, Kubernetes, Linux

## 🤝 Contributing

This is a personal portfolio project. However, if you find any issues or have suggestions for improvements, please feel free to open an issue or submit a pull request.

## 📄 License

This project is open source and available under the [MIT License](LICENSE).

## 📞 Contact

* **Email**: faisal@example.com
* **GitHub**: [faisalriazz](https://github.com/faisalriazz)
* **Twitter**: [@faysalriazz](https://twitter.com/faysalriazz)
* **Google Scholar**: [Profile](https://scholar.google.com/citations?user=XwweIK4AAAAJ&hl=en)

**“Engineering the future through intelligent automation and data-driven insights”** - Faisal Riaz