# 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.

## 📞 Contact

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- **GitHub**: faisalriazz
- **Twitter**: @faysalriazz
- **Google Scholar**: Profile

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