

# Dr. Parastoo Fathi's Personal Website Documentation

## 1. Introduction

This document provides a detailed overview of the personal website developed for Dr. Parastoo Fathi, a visiting professor specializing in Computer Engineering and Software Engineering. The website combines a professional and user-friendly interface with advanced functionalities to showcase her academic achievements, research, and teaching activities.

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## 2. Features and Capabilities

### Public Pages

#### 2.1 Home Page:

- Overview: Provides a brief introduction to Dr. Fathi, her expertise, and highlights recent activities or achievements.
- Key Elements:
  - Professional portrait.
  - Links to key sections (Research, Teaching, Publications, etc.).
  - Highlighted news or recent updates.

#### 2.2 About Me:

- Overview: A detailed biography of Dr. Fathi.

- Key Elements:
  - Educational background.
  - Areas of expertise.
  - Career journey and milestones.

## 2.3 Teaching:

- Current Semester:
  - Feature: A table listing ongoing courses with:
    - Course titles.
    - Class schedules.
    - Office hours.
  - Example:

Course Title	Schedule	Office Hours
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Software Design	Mon/Wed 10-12AM	Thu 2-4 PM

- Archive:
  - Feature: A list of past courses with brief descriptions.
  - Example:
    - \*Spring 2023: Advanced Algorithms\*
    - \*Fall 2022: Machine Learning\*

## 2.4 Research:

- Overview: Details of ongoing research projects and published articles.
- Key Elements:
  - List of projects with descriptions.

- Publications categorized by type (journals, conferences, etc.).

## 2.5 Publications:

- Overview: A chronological list of Dr. Fathi's publications.
- Key Elements:
  - Publication titles.
  - Journal/conference details.
  - Links to full texts or abstracts (if available).

## 2.6 Experiences:

- Overview: Details about professional experiences and collaborative efforts.
- Key Elements:
  - Past academic and industrial roles.
  - Key collaborations or notable projects.

## 2.7 Contact:

- Overview: Provides multiple ways to get in touch.
- Key Elements:
  - Contact form with fields for Name, Email, Subject, and Message.
  - Map indicating office location.
  - Direct contact details (email, phone).

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## Admin Panel

## 2.8 Content Management:

- Feature: CRUD (Create, Read, Update, Delete) operations for managing content across all public pages.
- Example: Adding a new research project or editing course details.

## 2.9 Class Scheduling:

- Feature: Interface to:
  - Define and update course schedules.
  - Manage archived course information.

## 2.10 Message Management:

- Feature:
  - View messages submitted through the contact form.
  - Respond to messages directly from the admin panel.

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## 3. Technical Details

### Technologies Used

#### Frontend:

- React.js with Vite for optimized performance.
- Tailwind CSS for responsive and professional design.

#### Backend:

- Node.js with Express.js for server-side logic.
- MongoDB for database management.

#### Key Design Considerations:

- Fully responsive layout adhering to modern web standards.
- Accessibility compliance with WCAG guidelines.
- Performance optimization for faster load times.

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#### 4. Future Prospects

- Integration with External APIs:
  - Example: Linking with Google Scholar for automatic updates to the publications page.
- Analytics Dashboard:
  - Track visitor statistics and page performance.
- Enhanced Admin Tools:
  - Batch updates for content management.
  - Advanced filtering options for managing large datasets.
- Multilingual Support:
  - Adding Persian or other languages for a wider audience.

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#### 5. Summary

This website serves as a comprehensive platform for Dr. Parastoo Fathi to manage and showcase her academic and professional portfolio. Combining advanced technology with user-friendly design ensures it meets both her needs and those of her audience effectively.