







# RUHOLLAH NASERI

Junior Front-End / CE Student

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## PROFESSIONAL SUMMARY

Computer Engineering student and Teaching Assistant with a strong focus on front-end development using React and TypeScript. Experienced in building clean, user-focused interfaces with modern tooling and state management. Solid foundation in computer science fundamentals, algorithms, and C++, with practical exposure to backend systems through selected projects.



## TECHNICAL SKILLS

### Front-End

React.js, React Router  
State Management: Zustand, Redux (learning)  
Vite, Next.js  
UI & Styling: Material UI, Tailwind CSS

### Backend & Tools

Django, Django REST Framework  
REST APIs, JWT Authentication  
Basic knowledge of Redis, Celery  
Git, GitHub, Linux, Docker, CMake

## SELECTED PROJECTS

2024	<b>Pedarkharj – Expense Calculation Web App</b> React, TypeScript, Material UI, Vite A responsive single-page application for calculating and splitting shared expenses. Focused on clean UI, component structure, and user-friendly navigation. Demonstrates practical front-end architecture, state handling, and design-system usage. <a href="https://github.com/ruhollah82/pedarkharj">github.com/ruhollah82/pedarkharj</a>	Front-End Project
2025	<b>BCPC Auth – Authentication Front-End</b> React, TypeScript, Zustand, React Router, Tailwind A modern authentication interface designed for contest-style applications. Implements client-side routing, global state management, and extensible architecture for login and registration flows. <a href="https://github.com/ruhollah82/BCPC-auth">github.com/ruhollah82/BCPC-auth</a>	Front-End Project
2025	<b>AI Water Jug Solver</b> C++, CMake An academic project implementing classical AI search algorithms (BFS, DFS, IDS, A*, RBFS) to solve the Water Jug problem. Demonstrates strong understanding of algorithms, state-space search, and clean C++ project structure. <a href="https://github.com/ruhollah82/AI-Exercise">github.com/ruhollah82/AI-Exercise</a>	Academic Project
2026	<b>BitTorrent Private Tracker Backend</b> Python, Django REST Framework A backend system for managing a private BitTorrent tracker, including authentication and user management. Showcases backend architecture awareness, API design, and familiarity with real-world protocols. <a href="https://github.com/ruhollah82/bittorrent-tracker">github.com/ruhollah82/bittorrent-tracker</a>	Backend Project

## TEACHING & ACADEMIC EXPERIENCE

2023 – Present

### Teaching Assistant – Programming Basics

University of Birjand

Assisted in teaching fundamental programming concepts

Helped students with problem-solving, debugging, and understanding core CS principles

Reinforced strong foundations in logic, algorithms, and code clarity

## EDUCATION

2022 – Present

### B.Sc. in Computer Engineering

University of Birjand

Current student pursuing Bachelor's degree in Computer Engineering

Focus on software development, algorithms, and systems programming

## LANGUAGES

Persian - Native

English - Intermediate

French - Learning

## PORTFOLIO

GitHub as primary portfolio

Hands-on experience showcase

Active learning and improvement

## INTERESTS

Clean UI design systems

Maintainable front-end code

Problem-solving algorithms

Go programming