Parsa Niavand

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EDUCATION

BSc in Computer Science
Sep 2019 - August 2025
SRBIAU - Department of Converging Sciences and Technologies

(16.20/20.00)

RESEARCH INTERESTS

Artificial Intelligence, Machine learning, Computer Vision, Robotics and Simulation, Image Segmentation, Image Processing, Data Analysis, Data Mining.

PROJECTS

Cat Emotion Recognition
Developed a convolutional neural network to recognize and classify the emotions of cats from images. This project involved model training and evaluation to achieve high accuracy in emotion detection. GitHub Link: CatRec

PID NN
Created a PID control system integrated with neural networks as backpropogation. This project focuses on enhancing the control mechanism through machine learning techniques. GitHub Link: PIDNN

SKILLS

Programming Languages: Python, C++, Javascript
Libraries & Frameworks: PyTorch, Numpy, Pandas, Matplotlib
Databases: SQLite, MongoDB
Web Development: Next.js, Tailwind CSS
Tools: Bash scripting, Linux , Git, LaTeX

SELECTED COURSES

Artificial Intelligence	(3.2/4)
Probability I	(3.1/4)
Combinatorics	(3.4/4)
Theory of Computation	(3.7/4)
Linear Optimization	(3.1/4)
Design & Analysis of Algorithms	(under compilation)
Design & Linear Algebra	(under compilation)

LANGUAGES

Persian: Native   **English:** Bilingual (IELTS Score: yet to attach)

EMPLOYMENT

Web Development
January 2024 – (freelance)

- Developed responsive web applications using Next.js and React.
- Utilized Tailwind CSS for efficient styling and layout design.
- Implemented server-side components to enhance performance and SEO.

UI Designer
Saro Game Studio
December 2021 - August 2022

- Designed user interfaces for game menus and HUDs.
- Collaborated with game developers and artists to create cohesive visual styles.
- Created prototypes using Figma to visualize design concepts.