

# ROZHIN BAYATI

## Computer Science Graduate

@ rozhin2025@gmail.com    +4915731928718    Bonn, Germany  
https://rozhin2025.github.io  
https://github.com/rozhin2025  
https://www.linkedin.com/in/rozhin-bayati



### PROFILE

I am a Computer Science graduate, with a background in software development and data science. I have experience in both academic and industry. My projects involve improving web applications through frontend and backend development, as well as data analysis and implementation of advanced machine learning algorithms. I am now looking to bring my expertise to a team where I can contribute to meaningful projects and continue to grow professionally.

### EXPERIENCE

#### Student Intern Software Developer

Tideways GmbH

Oct 2020 - Aug 2023    Bonn, Germany

- Converted over 100 React components from JavaScript to TypeScript.
- Tested React components with snapshot tests using Jest.
- Frontend/Backend development using React, integrated with PHP/Symfony backend, and optimized database communication with MySQL/SQLite.

#### Student Assistant

DFG Cluster of Excellence PhenoRob, Institute of Crop Science and Resource Conservation, University of Bonn

Nov 2021 - Apr 2022    Bonn, Germany

- Conducted data classification using machine learning and deep learning techniques.
- Researched data processing, machine learning, and other computer science and crop science topics.
- Implemented audio data processing techniques to extract meaningful insights from acoustic datasets.

#### Informatics Specialist

SharifStar, Sharif University of Technology Service Complex

Aug 2018 - Jun 2019    Tehran, Iran

- Created user-friendly interfaces and optimized performance to enhance user experience and engagement.
- Assessed and troubleshooted website technical issues, identifying root causes and finding effective solutions.

#### Junior Software Developer

6thSolution Technologies

July 2016 - July 2017    Tehran, Iran

- Designed and developed software applications from concept to deployment.
- Conducted research in computer science and engineering topics, especially in natural language processing to support project development.

#### Teaching Assistant

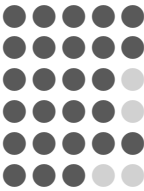
Sharif University of Technology

Sep 2015 - Feb 2016    Tehran, Iran

- Assisted in the "Principles of Computer Systems" course by designing exercises and exam questions, grading assignments, and contributing to the development of course materials.

### STRENGTH

Machine Learning  
Image/Audio Processing  
Web Development  
Research  
Programming  
Data Science



### PROGRAMMING LANGUAGES

Python    Java    JavaScript  
TypeScript    PHP/Symfony    C & C++

### TECHNICAL SKILLS

MySQL    SQLite    Matlab    R  
LaTeX    HTML    Github    CSS  
Scipy    Keras

### SOFT SKILLS

Team-work    Creative Thinking  
Multi-tasking  
Independent problem solver  
Time management    Organisational skills  
Interpersonal Communication

### LANGUAGES

English  
German  
Persian



### HOBBIES

Reading    Drawing    Watching Movies  
Kungfu    Cooking    Games    Puzzles

EDUCATION

Master's Degree, Computer Science

University of Bonn, Bonn, Germany

📅 Oct 2019 - May 2024      📍 Bonn, Germany

- Grade : 1.9
- Thesis: Comparative Analysis of Acoustic Bee Classification Approaches.

Bachelor's Degree, Computer Science

Sharif University of Technology

📅 Sep 2014 - Jun 2019      📍 Tehran, Iran

- Grade : 2.4

High School Diploma, Mathematics

Farzanegan 4 High School of Karaj

📅 Sep 2010 - May 2013      📍 Karaj, Iran

- Grade : 1.2

RESEARCH INTERESTS

- Machine Learning and its applications in data classification and analysis
- AI-driven solutions for ecological and environmental challenges
- Audio and Image Processing
- Ethics in Artificial Intelligence
- Quantum Computing

REFEREES

Prof. Dr. Kurth

✉ frank.kurth@fkie.fraunhofer.de

📍 Fraunhofer-Institut für Kommunikation, Informationsverarbeitung und Ergonomie (FKIE)

Dr. Sabine Seidel

✉ sabine.seidel@uni-bonn.de

📍 University of Bonn Institute of Crop Science and Resource Conservation Crop Science Group

Benjamin Eberlei

✉ benjamin@tideways.com

📍 Tideways GmbH