

## ARMAN RADMANESH

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Master's student in Data Science and Analytics at The University of Oklahoma with extensive experience in modern cloud, web, and software development. Skilled in building scalable, client-centric solutions using the latest technologies and frameworks. Seeking a research assistant position to apply and expand these technical capabilities in innovative, data-driven projects.

### PROFESSIONAL EXPERIENCE

#### **University of Oklahoma – Data Science and Analytics (Norman, OK) 2024 – 2025**

Graduate Research Assistant (GRA)

As a Graduate Research Assistant, I have contributed to the Data Science and Analytics department's outreach by managing social media platforms, conducting interviews with students and faculty, assisting with event planning, and supporting initiatives such as updating the department's official website to enhance visibility and engagement. Additionally, I collaborated with faculty in the mid-stage of design and development of a new Bachelor's degree in Artificial Intelligence, contributing feedback and support on curriculum structure and technical content.

#### **New School for Social Research (Gorgan, Iran & Norman, OK) 2022 – Present**

Senior Software Developer / Researcher

[Jamasp](https://jamasp.app) – <https://jamasp.app> | [Lens \(Cut\)](https://cut.social) – <https://cut.social>

As a volunteer developer and research collaborator, I led the design and implementation of two integrated platforms for behavioral and cognitive research:

- Jamasp is a secure, scalable research management system for studies involving wearable devices, offering participant management, sensor data formatting, and AI-enabled analysis tools.
- Lens (Cut) is a mobile-friendly experimental toolkit built with ReactJS and MongoDB, supporting advanced behavioral paradigms such as the ultimatum game, memory tests, and studies on the cognitive effects of fasting during Ramadan. The platform emphasizes usability and adaptability for online and mobile-based research.

#### **Freelance Software and Web Developer (Tehran, Iran & Norman, OK) 2006 – 2024**

I have developed a wide range of web applications using Java, ReactJS, PHP, Static Websites, Google Cloud Platform, and much more. These experiences have allowed me to showcase my expertise in building dynamic and responsive digital cloud-based solutions.

#### **BongaMonga® (Tehran, Iran) 2015 – 2018**

Senior Software Engineer / Developer

As senior web developer and web designer, I developed BongaMonga®, a real estate web application that connected customers directly with sellers/renters. Utilized Play! framework 2.x and Bootstrap 4.x for UI/UX.

#### **WhiteOx (Rasht, Iran) 2015 – 2018**

Senior Software Engineer / Developer

I designed and implemented a multiplayer card gaming web app UI from scratch. I also developed a desktop application akin to a simplified version of PokerTracker, and a dynamic prize system, increasing ROI growth to over 100% within a year.

#### **Ratnic (Tehran, Iran) 2014 – 2015**

Senior Software Engineer / Developer / Co-Founder

I developed a social platform where users could compete by completing quizzes. I also designed the architecture and supervised the development of an optimized airplane ticket search engine.

#### **IRS (Tehran, Iran) 2013 – 2014**

Software Engineer / Developer

I designed and developed a front-end web-application for "Clonet"; a firewall appliance solution.

#### **ICT Research Institute (Tehran, Iran) 2012 – 2013**

Research Engineer / Developer

I developed experimental knowledge engineering and semantic methods, primarily focused on ontology and logic.

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## SELECTED PROJECTS

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- Involved in Brain-Computer Interfaces (BCI) studies and conducted experiments with EEG/BCI headsets (2011-2013).
- Conducted experiments on joint arm robots using LEGO MindStorm NXT as a personal curiosity and hobby in 2007.
- Developed a Reversi player agent using Ant Colony Optimization (ACO) technique as part of an Artificial Intelligence course in 2006.
- Developed a Subscription Management System for Badbadak Magazine as a volunteer project in 2005.
- Developed a vector-based search engine called CG125 as part of an Information Retrieval course in 2004.

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## EDUCATION

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**The University of Oklahoma (Norman, OK)**

**2024-Present**

Master of Data Science and Analytics.

**Amirkabir University of Technology (Tehran, Iran)**

**2011**

Bachelor of Computer Engineering, Minor in Information Technology

Thesis: Design and implementation of a wireless sensor network simulator GUI.

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## PROGRAMMING AND LANGUAGE SKILLS

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**Programming:** Proficient in J2SE, J2EE, Spring framework, ReactJS, TypeScript, NextJS, NodeJS, Express, MATLAB, R, Grunt, Bower, Webpack, Unix command prompt, Cloud Development, Google Cloud Platform and Cloud Computation, AWS, CoffeeScript, jQuery, Sass, Less, CSS3, HTML, Hibernate, NoSql Databases and Relational Databases. Skilled in Python, Play! Framework 2.x, Scala, C++, PHP, Pascal and Heroku Cloud. Familiar with Blockchain Concepts, Solidity, Task Automation, and Eclipse Plugin Development Environment.

**Languages:** Proficient in English, TOEFL iBT Score: 96. Native in Farsi.

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## REFERENCES

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Dr. Charles D. Nicholson, [cnicholson@ou.edu](mailto:cnicholson@ou.edu)

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