Nazanin Ashrafian

(+98) 9058158662 | ✉ nazanin.ashrafian.u@gmail.com | in nazanin-ashrafian | ○ naZanin-Ash | ⊕ Website

Education

Imam Reza International University, Mashhad, Iran

Bachelor of science in Computer Software Engineering (Sep. 2018 - Sep. 2022)
- **Cumulative GPA: 3.91/4 (18.72 out of 20)**
- **Thesis Title: Sales Intelligence and Customer Retention Analysis for Sib Company**
- **Supervisor: Dr. Mahboubeh Dadkhah**

Research Interests

- Artificial Intelligence
- Machine Learning/ Deep Learning
- Data Analysis/ Data visualization

Work Experiences

- **Full Stack Web Developer (Intern)**, Part Software Group, Mashhad, Iran. (May 2022 - Sep. 2022)
  - *Implemented the backend of a music website using Node.js*
  - *Collaborated with team members to develop the backend*
  - *Developed small-scale projects using HTML and CSS*

Notable Courses

- "Artificial Intelligence": (19.75 out of 20.0)
- "Computer Networks" : (18.50 out of 20.0)
- "Data Structures And Algorithms" : (20.0 out of 20.0)
- "Digital Circuits" : (18.0 out of 20.0)

Certifications

- "Machine Learning (TensorFlow)," on Free Code Camp. (work in progress)
- "Deep Learning (TensorFlow And Keras)," on Maktabkhooneh.(work in progress)
- "Machine Learning (Data Analysis with Python)," on Quera. (Jun. 2024)
- "Python Data Structures," on Coursera. (Mar. 2023)
- "Responsive Web Design," on Free Code Camp. (Dec. 2023)
- "Programming For Everybody (Getting Started with Python),"on Coursera. (Jul. 2020)
- "Blockchain Based Smart Energy Trading || SCIOT 2020," Ferdowsi University Of Mashhad. (Sep. 2020)
- "Wireless Communication Protocol for IOT || SCIOT 2020," Ferdowsi University Of Mashhad. (Sep. 2020)
- "Advanced Preparation Course For ACM Programming," Imam Reza International University: Computer Engineering Department. (Jun. 2019)

Core Skills

- **Programming Languages:** Python | R | C++ | Java | PHP
- **Web Development:** HTML | CSS | Bootstrap | JavaScript
- **Deep Learning Framework:** Keras | TensorFlow | Scikit-learn
- **Programming Libraries:** NumPy | Pandas | Seaborn | Matplotlib
- **Databases:** MongoDB | Microsoft SQL Server | MySQL
- **Other :** Anaconda | Postman | Unity | MS Word | MS PowerPoint

Academic Projects

- Deep Learning Model for Cifar10 dataset (Summer 2024)
  - *Developed a neural network with up to five hidden layers for output prediction using Keras*
  - *Evaluated the model with accuracy, F1-score, and ROC-AUC metrics*
  - *Performed hyperparameter tuning using KerasTuner, optimizing model performance*
  - *Compared wide and deep model against a deep-only model*

- Chocolate Problems, Quera. (Summer 2024)
  - *Analyzed data to identify saleable products and determine their prices*
  - *Identified top-performing chocolate manufacturers and updated prices*
  - *Calculated revenue generated from selling chocolates using the Pandas library for analysis*

- Sales Intelligence and Customer Retention Analysis for Sib Exports (Bachelor thesis 2022)
  - *Analyzed multi-year sales data for a company, "Sib" to enhance business decision-making and performance*
  - *The project involved data preprocessing, exploratory data analysis, market segmentation, and customer value assessment using RFM*
  - *Conducted customer retention analysis to provide insights on long-term customer engagement*

- Diary Application, Android. (Spring 2022)
  - *Created an application allowing users to create new diaries, edit existing entries, and browse through their diaries*

- SQLMap, Operating System Lab. (Fall 2020)
  - *Executed various commands for penetration testing, including gathering information on the target website's web version, operating system, database number, and table fields*

- Implementing a Database for the Hypothetical Entity Hospital, Database. (Spring 2019)
  - *Familiarized myself with various types of conditional queries and recovery commands*
  - *Utilized SQL facilities such as HAVING, ORDER BY, GROUP BY, and JOIN*

Languages

- **English:**
  - *IELTS Overall Band Score 6.5 (L: 6.0, R: 7.0, S: 6.5, W: 7.0)*
  - *GRE is scheduled for November 25, 2024*
- **Persian** (Native)

Memberships

- ACM team of Imam Reza International University, Mashhad, Iran. (Mar. 2018 - Jun. 2020)

References

- **Monireh Houshmand**

  (Associate Professor) | Department of Electrical Engineering, Imam Reza International University | Email: m.hooshmand@imamreza.ac.ir
- **Mahboubeh Dadkhah**

  (Postdoctroral Fellow) | Department of Computer Engineering, Ottawa University | Email: mdadkhah@uottawa.ca
- **Morteza Nikooghadam**

  (Associate Professor) | Department of Computer Engineering, Imam Reza International University | Email: m.nikooghadam@imamreza.ac.ir