

# MOHAMAD SABHA

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Highly skilled Computer Science professional with a Master's degree in Computer Engineering, Specializing in Machine Learning with hands-on experience in real-time data streaming and analysis, anomaly detection, feature engineering, Spark applications, and Kafka integration. Possessing 2 years of professional experience as an ASP.NET Full-Stack Web Developer and a valuable internship stint as a Microsoft Student Partner (MSP). Eager to expand my expertise and leverage my skills to contribute effectively to your company in a challenging role.

## EDUCATION

- ❖ M.Sc. Degree – Master of Computer Engineering | Ankara University *Ankara, Turkey 2021 - 2023*  
GPA 3.69/4 / Scholarship Student
- ❖ B.Sc. Degree - Bachelor of Computer Science | Tabuk University *Tabuk, Saudi Arabia 2014 - 2017*  
GPA 4.94/5 / Scholarship Student

## PUBLICATIONS

- ❖ The Design and Development of a Smart Fire-Fighter Robotic System. *Int Rob Auto J 3.6. DEC 2017*
- ❖ Breast Cancer Prediction Using Different Classification Algorithms with Various Feature Selection Strategies. *IEEE, 29. DEC 2021*
- ❖ Outlier Detection Over Streaming Data of Human Activities. *ProQuest Dissertations & Theses .31159568. MAR 2023*
- ❖ Stream Data Analysis and Processing Frameworks for Detecting Outliers in Human Activities: A Review. *WSEAS Transactions on Information Science and Applications V 22. JAN 2025*

## PROFESSIONAL EXPERIENCE

### ASP.NET FULL-STACK WEB DEVELOPER.

*IT Department - University of Tabuk - SEP 2017-Oct 2019*

- ❖ Developing web-based Applications using ASP.net, Microsoft IDE (Microsoft Visual Studio) and SQL Database.
- ❖ Building websites UIs utilizing HTML, CSS, JavaScript, Bootstrap, etc.
- ❖ Integrating data from various back-end services and databases.
- ❖ Working with Subversion Repositories: Team Foundation Server (TFS).
- ❖ Monitoring systems functionality, fixing bugs and performance optimization.
- ❖ Developing and consuming Web Services and APIs.

### INTERNSHIP: MICROSOFT STUDENT PARTNER (MSP).

*Riyadh, Saudi Arabia - Aug 2015- Aug 2017*

- ❖ Mentoring and leading MSPs and their teams at the Northern and Western regions universities of Saudi Arabia.
- ❖ Organizing and delivering technical online and in-class training and courses at the Northern and Western regions of Saudi Arabia.
- ❖ Develop Mobile Applications using windows platform.

## PROJECTS

- ❖ Real-time data Processing with machine learning using spark structured streaming.
- ❖ Image processing utilizing Haar-cascade classifier and Open-CV.
- ❖ Lead and implement the National single sign-on integration project between the University of Tabuk and the National Information center| Saudi Arabia.
- ❖ Multiple .NET based web applications | Full-stack.

## SKILLS

- Machine Learning Specialization - August 2023 | Coursera.
- Real time data Analysis using Spark Structured Streaming with Kafka.
- NumPy, Scikit-Learn, Pandas, Matplotlib, Jupyter Notebook.
- Data Mining, Features Engineering, Data Analysis.
- Jamovi /SPSS.
- Computer Vision, OpenCV.
- Image Processing, Artificial Intelligence.
- Full-Stack Web development.
- C #, Python, VB, PHP, JavaScript, HTML, CSS, SQL, NoSQL.

## **VOLUNTEER EXPERIENCE**

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- ❖ Leader of the Robot club at the University of Tabuk | “Currently: Industrial Innovation and Robotics Center” 2015 – 2017
- ❖ Delivering a workshop on Outstanding Graduation Projects criteria.
- ❖ Presenting Multiple Microsoft Hour of Code events at several schools.
- ❖ Participating in the organization of the TEDx event at the University of Tabuk.
- ❖ Participating in the NASA Space App Challenge “Hackathon”.
- ❖ Participating in the One Million Arab Coders initiative.
- ❖ Delivering multiple workshops on robotics design and implementation for faculty of computer and information technology students.

## **AWARDS**

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- ❖ 1st prize for Best Paper Award at “ 5th International Conference on Informatics and Computational Sciences (ICICoS 2021)” Diponegoro University - Indonesia.
- ❖ 1st place in the “Programming with C #” contest at the Faculty of Computer and Information Technology.
- ❖ 2nd place in the 5th scientific forum at the University of Tabuk.
- ❖ 2nd place at FCIT Scientific forum Graduation Projects Contest.
- ❖ Galactic Problem solver - Space App Challenge - NASA.

## **LANGUAGES**

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- ❖ English: TOEFL iBT Score – 86.
- ❖ Turkish: Certified (C1 Level).
- ❖ Arabic: Native language.

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**References available upon request**