

AHMAD TAMIM HAMAD

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SUMMARY

Dedicated Ph.D. candidate in Electrical Engineering and Computer Science at the University of Missouri, offering 3+ years of experience in software engineering and data science. Proficient in modern software tools and methodologies, with a proven ability to work efficiently both independently and collaboratively within a team. Adept at driving innovative solutions to complex technical problems.

EDUCATION AND TRAINING

University of Missouri | Columbia, MO, USA

Ph. D in Electrical Engineering and Computer Science

Expected in 01/2026

University of Mysore || Mysore, Karnataka, India

Master of Science in Information Technology.

09/2019 – 09/2021

Gharjistan University || Kabul, Afghanistan

Bachelor of Computer Science

03/2012 – 12/2015

TECHNICAL SKILLS

- **Software Libraries & Tools:** PyTorch, TensorFlow, Keras, OpenCV, scikit-learn, SciPy, pandas, NumPy, Hadoop, Spark, Hive.
- **Web Technologies:** HTML5, JavaScript, jQuery, Angular JS, React JS, Flask.
- **Database Technologies:** SQL, SPARKQL, Mongo DB, PostgreSQL, MySQL.
- **Programming Languages:** C#, C++, Java, Python, R.
- **Version Control Tools:** GIT, SVN.

PROFESSIONAL EXPERIENCE

University of Missouri Columbia | COLUMBIA, Missouri

Graduate Research Assistant

01/2023 – Current

Responsibilities:

- Focusing on machine learning, running models to predict diseases (Dysplasia)
- Extracting the patches using python and open slide (virtual slides) Library to prepare the data for classification and labeling.

City of Columbia, COLUMBIA | Missouri

GIS Intern

06/20223 – 08/2023

Responsibilities

- Offering assistance using ESRI ArcGIS Desktop software, including ArcMap and ArcGIS Pro.
- Utilizing GIS API to extract data, employing the Python programming language
- Refining code and transitioning Python 2 code to Python 3.

Medical School, University of Missouri, COLUMBIA | Missouri

Software Engineer

08/2022 - 12/2022

Responsibilities:

- Automating the extraction of data from the Redcap API and generating corresponding issues in designated GitHub repositories.
- Crafted web applications utilizing C#.NET, Angular, and SQL Server technologies.
- Conducted thorough testing and debugging of the application.

University of Missouri System | COLUMBIA, Missouri

Software Engineer Intern

06/2022 - 07/2022

Responsibilities:

- Analyz code and correct errors to optimize output.
- Recommend improvements to facilitate team and project workflow.
- Build visually rich front-end components.

University of Missouri | Columbia, Missouri

Graduate Research Assistant

01/2022 - 05/2022

Responsibilities:

- Design research and experimental studies, executing research techniques, tests and assays.
- Provide comprehensive research assistance and support when designing and executing experiments.
- Data collection and cleaning:
- Text summarization: read and summarize lengthy text into shorter version, providing the gist of the content to save time.
- Sentiment analysis: Analyze the sentiment of a piece of text to determine the condition.

Arohaka Technologies Pvt Limited, MYSORE | Karnataka

Software Engineer Intern

03/2021 - 06/2021

Responsibilities:

- Present new and beneficial design concepts to customers, manager and peers.
- Build visually rich front-end components.
- Provide technical support to non-engineering team.
- Worke in fast-paced development environment with complex project attributes.