Mahmad Isaq Karankot

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+1-406-451-2155 | mahmad.isaq@outlook.com | isaqkarankot.github.io | mohammed-isaq-k-b25b039a

Skills

Programming	Python (Pandas, PyTorch, NumPy, Scikit-learn. etc.), R(ggplot2), C/C++, HTML/CSS, JavaScript, NodeJs, TypeScript, Java.
Database Management	MySQL, MSSQL, PSSQL.
Frameworks	ExpressJs, Serverless, FeathersJS.
Cloud-Based Technologies	AWS, Docker.
Testing	Unit testing (Mocha, chai), Function Testing, Automation.
Miscellaneous	Linux, Shell (Bash/Zsh), LaTeX(Overleaf/R Markdown), Tableau, Microsoft Office, Firebase, Git.
Soft Skills	Time Management, Teamwork, Problem-solving, Documentation, Engaging Presentation.

Work Experience

Brillio Technologies
Bangalore, India

Senior Software Engineer
Oct 2021 - NOv 2022

- Collaborated with a four-person team to develop a CNN model that utilised YOLO as a foundation to improve the accuracy of ambient lighting conditions in the Mobile net architecture.
- Automated and optimised the data handling process for traffic signs, working with Ubuntu 20.04 did shell scripting, and employed other Linux tools.
- Significantly boosted the model's accuracy by 60%, which was yielding an accuracy of 70-78% under Indian street light. The older models, had an accuracy of 10-15%.
- **Technical Skills:** Python with PyTorch, NumPy, Matplotlib, Pandas, Scikit-learn, C++, Ubuntu Linux, Linux tools, Apt, Scripting, Git.
- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Accenture Inc
Bangalore, India

Senior Software Engineer
Jan 2021 - Oct 2021

- Collaborated with a four-person team to develop a CNN model that utilised YOLO as a foundation to improve the accuracy of ambient lighting conditions in the Mobile net architecture.
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- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Born Group
Bangalore, India

Software Engineer
June 2016 - Jan 2021

- Collaborated with a four-person team to develop a CNN model that utilised YOLO as a foundation to improve the accuracy of ambient lighting conditions in the Mobile net architecture.
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- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Usha Martin Technologies
Bangalore, India

Developer
June 2016 - Jan 2021

- Collaborated with a four-person team to develop a CNN model that utilised YOLO as a foundation to improve the accuracy of ambient lighting conditions in the Mobile net architecture.
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- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Bob eProcure Solutions *Bangalore, India*

Software Engineer *June 2016 - Jan 2021*

- Collaborated with a four-person team to develop a CNN model that utilised YOLO as a foundation to improve the accuracy of ambient lighting conditions in the Mobile net architecture.
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- **Soft Skills:** Teamwork, Time Management, Communication, Presentation skills.

Education

Montana State University *Bozeman, MT, USA*

MS in Electrical & Computer Engineering *Aug 2023 - Current*

- Working as Graduate Research Assistant : Joy and Beauty of Data with, BSc Data Structures/Algorithms
- **Courses:** Algorithms, Computability,Adv Data Mining and Visual, Data Science, Programming for Data Science, Knowledge Representation and Reasoning, Statistical Theory and Methods, Learning Skills through Case Studies, Artificial Intelligence, Machine Learning, Statistical Learning

Acharya Institute of Technology, VTU University *Bangalore, India*

B.E in Electronics & Communication Engineering) *May 2016 - Aug 2015*

Publications

Conference Proceedings

Addressing the Challenge of Missing Medical Data in Healthcare Analytics: A Focus on Machine Learning Predictions for ICU Length of Stay
Mahmad Isaq Karankot, Max Marceau, Ethan M. Glenn, Rylan P. Fowers, David M. Hedges, Bonnie Sheehey, Bradley M. Whitaker
2024 Intermountain Engineering, Technology and Computing (IETC), 2024