

Ravi Kumar Sah

Software Engineer

Dallas, TX | (732) 762 9305 | ravisah.sah1996@gmail.com | rxs8289@mavs.uta.edu

[in linkedin.com/in/ravi-sah-391849143/](https://www.linkedin.com/in/ravi-sah-391849143/) github.com/raviKsah

Education

Master of Science in Computer Science University of Texas at Arlington	Jan 2021 - Aug 2022
Bachelor of Engineering in Information Technology Pune University, India.	Jun 2014 - May 2018

Work History

Software Engineer Novac Technology - Mumbai, India	May 2019 - Nov 2020
Java, Dart, C#, Android, Flutter, Web services(.Net), SQL Server, Rest, Json, XML, JavaScript, HTML	
<ul style="list-style-type: none">Played the lead role in a team of four to design and launch an android mobile app using Flutter UI to enhance the expense booking system.Took the initiative to add a chatbot via the Azure bot framework in the expense booking system, achieving high popularity across the whole business group with over 100,000+ downloads on the Google play store.Automated information extraction from scanned attachments, reducing errors by 45%.Standardized development and maintenance of database objects like tables, functions, and procedures.Improved performance by utilizing metrics via query profiler.	
Jr. Data Scientist Sciative Solutions - Mumbai, India	Oct 2018 - Mar 2019
Python, TensorFlow, Sci-kit-learn, Pandas, NumPy, MySQL	
<ul style="list-style-type: none">Tasked to create a predictive model to analyze ticket prices based on the audience's reaction to the trailer.Wrote python scrapers to gather data from various sources like Twitter, YouTube, IMBD, etc.Performed sentiment analysis to validate the impact of the trailer with over 60% confidence.Trained a predictive model to analyze movie ticket prices based on the audience trailer reaction achieving over 73% accuracy.	

Projects

Marketplace for product and services - Android Studio, Java, Firebase, JSON, Git

- Designed and developed an android application "MarkUTApp", which facilitates the contact between buyers and sellers.
- Implemented functionalities where end-user can view, search, post, edit, deactivate, and report advertisements via the dashboard.

Autonomous Vehicle Control System - TensorFlow, Python, OpenCV, Linux

- Created a remote-controlled car using Raspberry Pi to follow a track, detect, understand, and respond to stop signs to avoid collisions. A deep learning algorithm like CNN was used to train a model using down-sampled **20000 images**, with a **test accuracy of 78%**.
- Published a paper in IJIRT Publication.2018;146596.

Age Detection using deep learning - TensorFlow, Python, OpenCV

- Developed an android application using CNN algorithm to detect and recognize human face through a mobile camera and predict the possible age, with a **test accuracy of 65%**.

Client-server chat application - NetBeans, Java, MySQL

- Developed an application using sockets for communication between the client and server to reduce the latency over the network.

Skills

Programming Languages

Java, C#, Python, Dart, NodeJS, Javascript, SQL

Databases

MS SQL Server, MySQL, MongoDB

Frameworks & Packages

Android Studio, Flutter, Bot Framework, REST, TensorFlow, OpenCV, Anaconda, Panda, Matplotlib, Numpy, Scikit-learn

Miscellaneous

Git, Slack, Visual Studio 2017, Spyder, Jupyter Notebook, VS Code, HTML5, CSS3,

Relevant Coursework

- Data Analysis and Modeling Techniques
- Design and Analysis of Algorithm
- Data Structures
- Database Systems
- Machine Learning
- Artificial Intelligence
- Data Mining
- Software Engineering

Extracurricular

- Head Coordinator** - Administered and organized a technical festival "Techtonic 2017"