Ravi Kumar Sah

(732) 762 9305 | ravisah.sah1996@gmail.com | linkedin.com/raviksah | github.com/raviKsah

EDUCATION:

University of Texas at Arlington, Texas, USA **Jan 2021 - Aug 2022**
Master of Science, Computer Science - Specialization in Intelligence Systems and Big Data

Pune University, India **June 2014 – May 2018**
Bachelor of Engineering, Information Technology

TECHNICAL SKILLS:

Programming Languages	Java, C#, Dart, Python, Golang, C, C++, JavaScript, jQuery, HTML5, CSS3, MATLAB
Databases	SQL Server, MySQL, MongoDB, SQLite
Frameworks	Flutter, Microsoft Bot Framework, TensorFlow, OpenCV, JSON, XML, REST API
Libraries	React/React Native, NumPy, Pandas, Matplotlib, Scikit-learn, Bootstrap, Beautiful Soup
Tools/Platforms/IDE	Android Studio, AWS, Docker, Microsoft Azure, GCP, Git, Linux, Postman, Visual Studio, Anaconda

PROFESSIONAL EXPERIENCE:

Software Engineer, Novac Technology, Mumbai, India **May 2019 – Nov 2020**
Technologies: Java, C#, Dart, AWS, Android, Flutter, Docker, Web services(.Net), SQL Server, Git, Rest, JSON, JavaScript, HTML

- 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.
- Built a scalable chatbot system via the Bot framework services in the expense booking system, achieving high popularity across the whole business group with **over 100,000+ downloads** on the Google play store, decreasing the time spent by vendors to file a claim **by 30%**.
- Created Restful APIs for reimbursement claim analysis and status.
- Automated information extraction from scanned attachments, **reducing human errors by 45%.**
- Standardized development and maintenance of database objects like tables, functions, procedures, and optimized SQL queries. Improved performance by utilizing metrics via query profiler.

Jr. Data Scientist, Sciative Solutions, Mumbai, India **Oct 2018 – March 2019**
Technologies: Python, TensorFlow, Sci-kit-learn, Pandas, NumPy, MySQL, Beautiful Soup

- Developed 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 contacts between buyers and sellers.
- Implemented functionalities where end user can view, search, post, edit, deactivate, and report advertisements via 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 latency over network.

ACHEIVEMENTS AND CO-CURRICULAR ACTIVITIES:

- Final year project got selected for **Zonal level competition** “AVISHKAR-2017” in association with university research cell, Savitribai Phule Pune University, Pune.
- Administered and managed a technical festival “Techtonic 2017” as **head coordinator**.
- Won **2nd prize** in ‘Syntax War’ coding competition, organized by IEEE, 2016.