

Atul Singh

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EXPERIENCE

Software Developer Engineer - I, Snapwork Technologies Pvt Ltd.

May 2021 — August 2021

Technology Stack: Dart, Flutter, Figma, Lightstreamer, Diawi

- Contributed to development of mobile security trading software for HDFC bank in a team of 4.
- Translated Figma design into high-performance UI components by leveraging flutter and improved rendering by **20%**.
- Redesigned appearance and functionalities of an enterprise-grade application resulting in 30% increase in use and likability.
- Improved mission-critical features by **10%** by integrating a light-streamer for market prices.
- Streamlined sprint timeline by cutting-down redundant build frequency by **25%** using git actions.

Software Engineer, Larsen & Toubro Infotech.

July 2018 — May 2021

Technology Stack: Ooyala, ActiveMq, Tosca, Splunk

Media And Entertainment Domain, HBO, US

- Debugged API workflows, responsible for creation of video metadata necessary for reliable streaming of HBO shows/ads on ott platform in a team of 3.
- Automated format validation processes using ActiveMQ and reduced regression time by **35%**.

Insurance Domain, RSA, UK

- Spearheaded state management architecture of an insurance domain application using bloc, provider in a team of 5.
- Collaborated with marketing and project management teams to deliver projects on time and with highest standard, retaining 100% of vendors.

TECHNICAL SKILLS

Languages: Java, Python, SQL, C++, JavaScript.

Mobile: Flutter, Dart, Bloc, JSON, Firebase.

Web: Reactjs, Angular (studying).

Cloud: Amazon Web Services, Google Cloud API.

Machine Learning: Pandas, Numpy, Matplot, Numpy, Pandas, Sklearn, Tensorflow.

Environment: VScode, Android Studio, Git, Nodejs, UNIX workbench.

EDUCATION

University at Buffalo, SUNY, MS in Computer Science [3.42/4.0]

August 2021 — December 2022

coursework: Analysis of Algorithm, Information Retrieval, Machine Learning, Computer Vision, Blockchain, Neurosymbolic AI, Deep Learning, Software Security

University of Mumbai, B.E in ECE [8.93/10]

July 2014 — June 2018

PROJECTS

Hajeri, Contactless Attendance Mobile Application, (1,000+ installs), [[github](https://github.com), [ios](#), [android](#)]

March 2021 — May 2021

Technology Stack: Flutter, Adobe Illustrator, Postman

- Designed and Develop a mobile application that managed employee attendance through a scan of QR-code.
- Assisted organizations to track attendance by maintaining a safe environment thus safeguarding employees against covid risk.

Covisearch, Vaccine Hesitancy Analysis and Visualization

August 2021 — October 2021

Technology Stack: LDA, HTML, CSS, Javascript, Chartjs, AWS EC2

- Engineered an end-to-end tweet search engine web application implementing information retrieval model using angular, deployed on Aws using Nginx.
- Indexed **100K+** multi-lingual tweets related to covid-19 from countries U.S, India, Mexico.
- Operationalized SOLR search capability to improve query response by utilizing query filtering, bm25 ranking, multi-lingual search, and query boosting.

Delivery Dates Prediction for items sold on eBay

January 2021

- Estimated delivery date of shipments of online purchases from datasets of 20 million shipments from transactions on eBay.
- Constructed deep-learning model in google colab to estimate calendar days depending on features distance, product category.
- Improved challenge baseline loss-score of **0.75** to **0.73**.