

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 the 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.
- Implemented light-streamer to allow users to monitor real-time stock price variations, boosting mission-critical features by **10%**.
- 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

- Managed API workflows, responsible for administering ads during video processing of HBO shows on OTT platform in a team of 3.
- Automated format validation processes using ActiveMQ which lowered regression time by **35%**.

Insurance Domain, RSA, UK

- Spearheaded state management architecture of an insurance domain application utilizing bloc, provider in a team of 5.
- Collaborated with marketing and project management teams to complete projects on time and to the greatest possible standard.

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](#), [ios](#), [android](#)]

March 2021 — May 2021

Technology Stack: Flutter, Adobe Illustrator, Postman

- Designed and Developed mobile application that managed staff attendance through QR-code scanning.
- Assisted organizations in tracking attendance by ensuring a safe environment thus safeguarding employees from 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 tweets search engine web application utilizing angular to construct an information retrieval paradigm, which was then 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 enhance query response by applying query filtering, bm25 ranking, multi-lingual search, and query boosting.

Delivery Dates Prediction for items sold on eBay

January 2021

- Estimated delivery date of online purchases based on datasets of 20 million shipments from eBay transactions.
- Created a deep-learning model to estimate the total number of calendar days it would take for cargo delivery since payment.
- Improved challenge baseline loss-score of **0.75** to **0.73**.