

Tarun Chawla

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SUMMARY

A highly spirited productive individual targeted about performance, technical development of a fault-tolerant code and collaborating with cross-functional teams in delivering High-Quality products in Agile Development Environment, with diverse experience in unravelling data, experienced with Startup Culture.

EDUCATION

Stevens Institute of Technology

Master of Science in Information Systems; GPA: 3.9/4.0

Hoboken, NJ
Aug 2021 – May 2023

University of Mumbai

Bachelor of Engineering in Computer Science; GPA: 3.5/4.0

Mumbai, India
Aug 2017 – May 2021

SKILLS

Programming Languages: Python, Java, C, C++, JavaScript, Go, HTML/CSS, Kotlin, Swift, MySQL, MongoDB

Technologies: Docker, Django, NodeJS, ReactJS, React Native, Redux, Spring Boot, Jenkins, Unix, PostgreSQL, Git/GitHub, Kubernetes, JIRA, Kafka, Splunk, Tableau, CI/CD, REST API, AWS (S3, ECS, Lambda)

WORK EXPERIENCE

Graduate Teaching Assistant, Stevens Institute of Technology

Hoboken, Aug 2022 – Present

- Streamlined & managed over 30 teams of **150+** students spanning whole semester, provided proper assistance and correct feedback
- Mentored students by conducting one-on-one sessions to better understand student's strengths, weakness, and interests

Software Developer, Truvisory

India, Jul 2020 – Jul 2021

- Deployed REST API connectivity with microservices using Python reduced over **30%** latency in client requests processing
- Utilized Docker, AWS EC2 to automate CI/CD of multiple web applications implemented via TypeScript, NextJS, NodeJS
- Applied Git for version control and collaboration, achieving seamless integration and **50%** reduction in code conflicts

Data Analyst Intern, Truvisory

India, Jan 2020 – Jul 2020

- Accomplished **7%** increase in profits by Predictive Analysis leveraging Machine Learning algorithms for improved accuracy
- Employed strong fundamentals and integrated PostgreSQL to extract and manipulate data, leading to a **25%** increase in efficiency of data retrieval and analysis
- Produced interactive dashboards in PowerBI and Excel, enabling stakeholders to visualize data trends and insights, resulting in more informed decision-making

Java Application Developer, Trivia Softwares

India, Jul 2019 - Sep 2019

- Developed RESTful and SOAP-based web services using J2EE technologies such as Spring Boot, Hibernate, JDBC, JMS
- Collaborated effectively with cross-functional teams and implemented continuous integration, delivery using **Jenkins** and Git, for faster product delivery and increased quality
- Implemented TDD development approach and automated testing frameworks using Selenium and BDD, resulting in **50%** reduction in bug reports

ACADEMIC PROJECTS

Image Recognizer: Led development of an ML application to recognize drawn image and predicting objects with CoreMLTools binding into MLModel for SwiftUI, Keras with an accuracy of **89%** through data cleaning, normalization

Echo: Initiated a Full Stack Social Media application with real-time search engine, worked on client-side design, user sign-in page, UI experience by applying Express, React, Redux, MongoDB with CRUD operations on profiles

Media Downloader: Introduced a Python Application to stream/download any media online with best video quality, best audio employing DASH Stream, audio output is processed/mixed through FFmpeg to enhance overall quality

PUBLICATIONS

Tarun Chawla and Rupali Hande. Equity Portfolio Generation and Optimization: Authored a report on communicating high volatility of Stock Market w.r.t Statistics, Random Forest Algorithm. *Equity Portfolio Generation and Optimization Using Machine Learning, Volume 9, Issue 1 January 2021, ISSN: 2320-2882, Pages 99-106, 2021*