

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. A Self-Starter with diverse experience in 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, JavaScript, TypeScript, Go, MySQL

Technologies: Docker, AWS (S3, ECS, Lambda), Kubernetes, Django, Spring Boot, NodeJS, ReactJS, React Native, Vue, Tailwind CSS, WebGL, gRPC, Jenkins, Git/GitHub, CI/CD, REST API, Linux

WORK EXPERIENCE

Open-Source Contributor, MindsDB ([Link](#))

Remote, April 2023 – Present

- Led the development of a new integration for MindsDB, utilizing Slack API to seamlessly connect to Slack Workspaces
- Designed and implemented a new handler via Python, SQL, and CLI to enable users to leverage MindsDB's OpenAI and Hugging Face Integrations to automate tasks such as writing and responding to messages, answering questions, and posting announcements
- Enhanced team communication and collaboration by enabling easy access to powerful AI capabilities through Slack Integration

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, ReactJS, 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

ACADEMIC PROJECTS

Image Recognizer ([Link](#)): 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 ([Link](#)): 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 ([Link](#)): 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*