

PARITOSH TRIPATHI

Software Engineer, Machine Learning Engineer

☎ (+91) 9759565817 ✉ tripathiparitosh935@gmail.com  [paritoshtripathi](https://www.linkedin.com/in/paritoshtripathi)  [paritoshtripathi935](https://github.com/paritoshtripathi935)

Education

Bennett University

Aug. 2020 – Aug. 2024

BTech - Bachelor of Computer Science with Data Science Specialization, C.G.P.A - 8/10

Experience

Anakin (Y-Combinator S21)

Aug. 2022 – Present

Software Engineer Intern

Bangalore

- Managed the entire RIDE team of 5+ members at Anakin, promoting efficient collaboration and innovation by addressing and solving challenges.
- Processed more than 100 GB of data using AWS, ECS, SQS, EC2, Docker, and S3 in Python to extract valuable insights
- Designed and executed sophisticated dashboards in Looker Studio, utilizing BigQuery and integrating over 100 data points. This enabled real-time quality control monitoring and reduced defect resolution time by 40%
- Implemented advanced techniques and tools to successfully circumvent security measures, including Cloudflare, Akamai, and Imperva, resulting in a substantial revenue increase.

The One World

Dec. 2021 – Aug. 2022

Artificial Intelligence and Software Development Intern

Bangalore

- Developed and implemented multiple models, including a recommendation engine that increased user engagement by 30% and a rooftop age detection model with 95% accuracy during my Artificial Intelligence Internship (Dec. 2021 - May 2022).
- Spearheaded the development of a containerized FastAPI backend for a large-scale social media platform, resulting in a 30% increase in API performance and reduced response times.
- Engineered Dashboards using Dash Plotly and deployed them using AWS EC2, leading to a 25% improvement in data accessibility and informed decision-making.
- Employed a comprehensive tech stack, including AWS, Yolo, Sklearn, CNN, Docker, PostgreSQL, and Dash, to ensure robust and efficient dashboard development and deployment.

UFF Foods

Aug. 2021 – Nov. 2021

Machine Learning Intern

Nagpur

- Gathered data from 10,000 restaurants on Zomato using a Selenium bot, contributing to building a comprehensive dataset for further analysis and modeling.
- Developed multiple Python scripts for data collection, with each script containing approximately 500+ lines of code. These scripts optimized the data collection process and enhanced overall efficiency.
- Focused on Extract, Transform, and Load (ETL) processes for natural language processing (NLP) tasks, processing 50+ GB of data and over 150+ data points.
- Utilized an extensive tech stack, including Django, Python, JSON, and CSV, to ensure robust and efficient ETL.

Open Source Contributions

Enhanced Flipkart Product Scraper | GSSoC 23

Apr. 2023 – Aug. 2023

- * Contributed to an open-source project focused on improving a Python script for scraping product data from Flipkart.
- * Enhancements included implementing SQLite database for efficient data storage, Selenium backup support, multi-threading for faster scraping, and comprehensive data extraction. View my contributions: [PR Link](#)

Machine Learning Contributions | GSSoC 22

Apr. 2022 – June. 2022

- * Ranked 389 out of 900 participants for contributions made in 2022.
- * Submitted 2 modules for the M.L capsule, enriching the program's curriculum and aiding in educating others about machine learning.

Projects

Product Matching via Machine Learning | Python, NLP, Image Recognition

Jan. 2023 – May. 2023

- * Implemented a product matching system using various machine learning techniques, including natural language processing, image recognition, and collaborative filtering algorithms, achieving an impressive 78% accuracy rate.

Covid detection using VGG-16 | Python, Deep Learning

Aug. 2021 – Sept. 2021

- * Engineered and put into operation a deep learning model using VGG-16 architecture to analyze lung X-ray images, achieving an impressive 83% accuracy in detecting COVID-19, helping in pandemic response efforts.

Achievements

- * Finalist, Automobile Hackathon by Mitsubishi Corporation and NEC.
- * Cleared First Round, Smart India Hackthon.
- * Secured Fourth Position, Decode EV Hackathon at IIIT Delhi.
- * Qualified for the AWS AI and ML scholarship, awarded \$50, in AWS DeepRacer Student league.

Certifications

- * Fundamentals of Accelerated Computing with CUDA Python, from Nvidia
- * Kubernetes: Basic Architecture and First Deployment, from Coursera.
- * Data Analysis with Python, from freecodecamp.
- * PySpark, from Infosys Springboard

Technical Skills

DevOps: AWS, GCP, AZURE, Docker, Jenkins, Heroku

Data Science: Web Scraping, Data Mining, NLP, ML, AI

Frameworks: Django, FastAPI, PySpark, Hadoop

Tools: TensorFlow, scikit-learn, Keras, Jira

Programming: Python, Java, C/C++, Python, SQL, LaTeX

Dev Tools: Visual Studio Code, Git, GitHub

DBMS: PostgreSQL, MongoDB