

# Vineet Patil

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## WORK EXPERIENCE

### Jade global: Kanverse.ai

October 2023 – Present

Software Engineer

Pune, MH

- Developed a model deployment framework for inter-VM deployment of TensorFlow and PyTorch models as part of a scalable machine learning pipeline.
- Integrated GenAI LLMs and enterprise OCR into the platform and model training tool, decreasing document processing time by **30%**.
- Automated the test framework for checking document processing accuracy with **450+** test cases, leading to a **30%** reduction in on-call incidents.
- Developed deep learning and machine learning models, implemented scale file deletion based on deep learning, leading to an **60%** reduction in licensed capacity.
- Built third-party integrations over REST, SOAP to integrate with NetSuite and Oracle, helping troubleshoot the root causes of data publishing failures.
- Technologies used:** Python, FastAPI, Nodejs, Vuejs, MongoDB, Redis, Tensorflow, Pytorch, gRPC, Docker, Linux

### Cognologix Technologies: Uber

March 2022 – Sept. 2022

Software Engineer Intern

Pune, MH

- Built ETL pipeline validation for Uber/Uber Eats with a throughput of  $\approx 100,000$  events per second, meeting sub-second SLAs.
- Built an ETL framework using Apache Flask, Apache pinot and Kafka.
- Learned about the project's architecture and how all the technologies work and integrate with each other.
- Technologies used:** Apache Flink, Apache Pinot, Golang, Cloud

## EDUCATION

### Savitribai Phule Pune University

Aug. 2019 – July 2023

Bachelor of Technology in Computer Science

Pune, MH

- Courses: Machine Learning, Artificial Intelligence, Operating Systems, Data Structures, Analysis Of Algorithms, Networking, Databases.

## PROJECTS

### Visual notes | github | Nextjs, Turborepo, Vercel, Tailwind, PostgreSQL, Supabase, shadcnui, drizzle

July 2024 – Present

- Full stack visual note-taking app with a interactive canvas and WYSIWYG editor. Includes auth, subscription plans, AI autocomplete (wip).
- Open sourced monorepo deployed on vercel.

### Recommendation system | github | Tensorflow, Pandas, Numpy

May 2023 – Aug. 2023

- Recommendation system for movies.
- Collaborative filtering using matrix factorization.
- Comparison of objective functions and optimizers.
- Retrieval of user recommendations and similar movies.

### Digital art eCommerce | github | Python, Flask, SQLite, JQuery, Stripe, AWS

Feb. 2021 – Mar. 2021

- full-stack eCommerce website deployed on AWS, where users can buy/sell digital art.
- Supports Email link authentication, persistent and session cookies, Transactions with Stripe API, Webhook endpoint to capture purchase information, Compression of art to low res, Dynamic webpages.

### Blogs and portfolio website | dub.sh/vineet | Nextjs, Vercel, Elasticsearch, PostgreSQL, shadcnui

June. 2024 – July. 2024

- Portfolio website for posting blogs and contact information.
- Features a interactive globe built with threejs, contact form with server and client side validation using zod and server actions, Includes blogs API with async writes using elasticsearch.

## ACHIEVEMENTS

- Rated Knight on Leetcode with **950+** problems solved (**top 5%**) | [leetcode.com/Blisp](https://leetcode.com/Blisp)
- Rank 1** in college on GeeksForGeeks | [geeksforgeeks.org/user/blisp](https://geeksforgeeks.org/user/blisp)
- Received Kanverse.ai **Rookie of the year** award and Kanverse.ai Expert Certification.

## SKILLS AND INTERESTS

**Languages:** Javascript; Python; Golang; C/C++; SQL; HTML/CSS

**Technologies:** Nextjs; React; PostgreSQL, Nodejs; Vuejs; Tensorflow; Pytorch; Linux; Docker; Apache Pinot; Apache Kafka; Flask; MySQL; MongoDB; Android Studio; Git; NeoVim; Unity3D

**Hobbies:** digital art; game development; 3d modelling