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 ≈**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
- **Rank 1** in college on GeeksForGeeks | geeksforgeeks.org/user/blisp
- Received Kanverse.ai **Employee 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