PARITOSH PATIL

Software Engineer │ Full-Stack Developer

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LinkedIn │ GitHub │ Portfolio

SKILLS

Languages: JavaScript, TypeScript, Python, SQL, C#, etc.
Frameworks: .NET Core, Next.js, Node.js, Java SpringBoot, Angular, React, Flask, etc.
Databases: MongoDB, SQL Server, Redis, Supabase, Postgres, SQLite, Firebase, etc.
Other: Docker, Git, Cursor, OpenAI, Jenkins, Github Actions, TFS, JIRA, Pandas, NumPy

EXPERIENCE

ARCTERA (FKA VERITAS TECHNOLOGIES LLC)., Software Engineer, Pune   Nov 2024 - Current

- Created a mobile-first version of Personal Archive, Arctera's email archiving application using **Angular 19, NodeJS 20 and .Net Core 8** with a shareable component structure and **monorepo architecture using Nx** due to a **direct feature request** from one of the top airlines in the middle-east.
- Added an AI Assistant for email-summarization, tag-suggestions and context-based conversations using an **Azure OpenAI** deployment running a local build of OpenAI's **gpt-4o-mini.**

VERITAS TECHNOLOGIES LLC., Software Engineer, Pune   July 2021 - Nov 2024

- Implemented a comprehensive UI modernization project using **Google M3 design system**, migrating **40+ pages** and **18 reusable components** while introducing a **site-wide dark theme**, resulting in an **80% reduction in UI-related customer escalations**
- Built and maintained three **enterprise-scale cloud-native web applications** using **Angular 13** and **.NET Core** microservices, serving data archiving solutions to **Fortune 500 clients**
- Engineered a successful migration from **jQuery** to **Angular and .NET Core** for the Personal Archiving platform, implementing lazy loading and modern state management practices that **improved response times by 30%**
- Developed responsive, accessible UI components in **Angular** and **TypeScript** for the Archiving and eDiscovery platforms, resulting in a **25 - 30% performance boost** and **50% improvement in user experience metrics**

VERITAS TECHNOLOGIES LLC., Software Development Intern, Pune   Jan 2021 – Jul 2021

- Engineered production-grade **PowerShell** automation tools using **C#** and **.NET**, reducing manual job scheduling steps from **8-10 clicks to zero**, achieving **60% improvement in operational efficiency**
- Designed and implemented **interactive performance monitoring dashboards** using **PowerBI**, integrating real-time data through **custom .NET REST APIs**

TOMTOM INDIA PVT. LTD., Software Development Intern, Pune   Aug 2020 – Jan 2021

- Implemented complex **data-tagging and labeling features** in *TomTom's* location data portal using **Angular and Java SpringBoot**, including a custom drag-and-drop UI, **reducing data tagging time by 30%**.
- Integrated **satellite and terrain views** using *TomTom's* Map SDK and *Bing Maps* API into the application's mapping functionality.

PROJECTS

POSSESSION - Full-Stack Inventory Management Application

- Engineered a high-performance inventory management system using TypeScript, NextJS, and PostgreSQL
- Implemented real-time search and filtering with server-side pagination and optimistic updates
- Deployed on Vercel with automated CI/CD pipeline and monitoring
- **Technologies:** TypeScript, NextJS, PostgreSQL, TailwindCSS, Framer Motion

AI POWERED PR SUMMARIES - Internal Hackathon Project

- Wrote a custom Github action that runs on the creation of a new PR and generates a summary of the changes using an LLM (gpt-4o), then adds the summarization as a comment on the original PR.
- The summarization provides context to the reviewers of the PR and makes the review process faster.
- This project was created in an internal hackathon and was adopted into our CI/CD pipeline, in**creasing the average number of PRs reviewed from 5 to 8 PRs/day**.
- **Technologies:** GitHub Actions (YAML Scripting), Python, Azure OpenAI Box

ARTMIX - Art Generations with AI

- A hobby project that generates famous paintings as if they're painted by different artists
- Used OpenAI API with the DALL-E 2 image generation model
- Front-end was initially generated with v0 and implemented using Cursor
- Built custom prompts for optimal results
- **Technologies:** OpenAI, Dall-E 2, ReactJS, Cursor, Vite, TailwindCSS

FUGITIVE DETECTION SYSTEM - Face Recognition using Deep Learning

- Created as a PoC for the Commissioner of Police, Pune
- Used OpenCV for Face Detection and Deep Learning for Face Recognition
- Achieved over 90% accuracy with a single photograph of a fugitive, integrated with CCTV streams
- **Technologies:** Python3, OpenCV, NumPy, Tensorflow

NEXT-BLOG – Modern Blogging Platform

- Developed a full-stack blogging platform with real-time Markdown preview and 3D graphics
- Implemented custom authentication flow and user management using Supabase
- Built responsive layouts and animations using TailwindCSS and Framer Motion
- **Technologies:** NextJS, Supabase, Spline, TailwindCSS, Framer Motion

Note: an exhaustive list of my projects can be found at www.paritoshpatil.info

EDUCATION

VISHWAKARMA INSTITUTE OF TECHNOLOGY, Bachelor of Computer Engineering, Pune (Aug 2018 – May 2021) – **9.5 CGPA**

- Established and led a student developers' club powered by *Google Developers* at *Vishwakarma Institute of Technology, Pune*, **growing membership by 50% annually**.
- Conducted training sessions for **60 students on Python basics for machine learning**
- Created a **command-line operating system** in Python as part of Operating Systems course
- Top ten in **Smart India Hackathon 2019** for designing a **VR experience** for the heritage sites of Andaman and Nicobar islands, built with **Unity**

K. K. WAGH POLYTECHNIC, Diploma in Computer Technology, Nashik (Aug 2015 – May 2018) – **88.5%**

- Developed an network security application in **JAVA** that shares a copy of an antivirus to scan all files transferred over the network for viruses