

KIRANKUMAR VASALA

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EDUCATION

Pace University, Seidenberg School of Computer Science and Information Systems | New York, NY May 2025
Master of Science (MS) in Computer Science | **GPA: 3.74**

University of Mumbai | Mumbai, India August 2022
Bachelor of Engineering (BE) in Information Technology

TECHNICAL SKILLS

Programming Languages: Java, Python, C++, PHP, JavaScript, SQL, HTML, Kotlin, Django

Frameworks & Libraries: Spring, React, Angular, Tailwind CSS, TypeScript

Web Technologies: RESTful APIs, JSON, XML, XPath

Databases: PostgreSQL, Sybase, DB2, Supabase

Tools: Apache Tomcat, Git, Jenkins, GitHub Actions, Docker, Jira, AWS

Development Practices: Agile, TDD, CI/CD, DevOps

Operating Systems: Windows, MacOS, Linux, Unix

PROFESSIONAL EXPERIENCE

FilmyAI | Full Stack Developer | Jersey City, NJ October 2024 - Present

- Built and managed **cloud infrastructure** on **Azure** and **GCP**, using **Kubernetes**, **Databricks**, **Postgres**, and **Snowflake** to support scalable **machine learning** workflows.
- Built secure **REST APIs** in **C#**, implementing **OAuth** for authentication and authorization across services.
- Built native **iOS** features using **Swift** and **Kotlin**, translating **user requirements** into reliable, high-quality mobile experiences.

Showcase | Frontend Developer | New York, NY August 2024 – October 2024

- Built responsive, production grade UI components using **TypeScript** and **React**, reducing user onboarding friction at scale.
- Implemented TDD-driven **CI/CD workflows**, increasing frontend test coverage by 45% and reducing production **UI** defects.
- Demonstrated a **growth mindset** by iterating on feedback, learning new patterns, and continuously improving **iOS** development practices.

Flymax Multi Services | Full Stack Developer August 2022 – July 2023

- Developed **front-end** features for **SaaS** applications using **JS**, **TypeScript**, and component libraries, building interactive charts and **data visualization** modules with effective **state management**, improving UI consistency and user engagement.
- Built accessible **front-end** applications using **NextJS**, **Vue**, **Redux**, and **Node**, integrating **GraphQL** APIs to improve data flow and performance.

Solar Secure Solutions | Full Stack Developer June 2021 – June 2022

- Built cloud-native applications using **Next.js**, **Node**, and **TypeScript**, integrating **Apache Kafka**, **PostgreSQL**, and **Apache** services on **Azure** and **GCP**, improving data throughput and system reliability in an **Agile** environment.
- Implemented **CI/CD** with **Docker**, **Terraform**, and **Jest**, while leveraging **TensorFlow**, **NumPy**, and **Pandas** for data processing and ML workflows, reducing deployment issues and speeding up release cycles.

ACADEMIC PROJECTS

DataVizPro December- 2025

- Built a client-side **data analytics** app using **React** and **TypeScript** to transform **Excel/CSV files** into interactive dashboards.
- Implemented **privacy-first** data workflows including parsing, quality checks, anomaly detection, and exportable reports.

AI-Productivity-Tools December- 2025

- Developed **AI-powered** productivity tools using **React**, **TypeScript**, **Vite**, and **Tailwind CSS**.
- Built scalable frontend architecture and managed deployment, improving development speed and collaboration.

E-Toll Management System September- 2022

- Built a **Python-based OCR** processing system, increasing toll deduction accuracy by **90%** enabling reliable automated toll collection.
- Improved system usability and operational performance, delivering onboarding and training support to **50+ users**.