

Anvay Paralikar

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EDUCATION

The George Washington University

Master of Science in Computer Science [GPA: 3.55]

Washington, DC

August 2024 – May 2026

Courses: Design & Analysis of Algorithm, Software Engineering, Cloud Computing, Computer System Architecture, Advanced Software Paradigms, Machine Learning, Artificial Intelligence, DBMS

Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering

Pune, India

August 2016 – May 2020

TECHNICAL SKILLS

Languages: C++, Rust, Python, JavaScript, TypeScript, SQL (PostgreSQL, MS-SQL), C#, Bash, HTML

Frameworks: FastAPI, Node.js, .NET Core, React, REST APIs, Docker, Kubernetes, CI/CD

Cloud/Systems: Azure, AWS, GCP, Kafka, Redis, Distributed Messaging, OpenTelemetry

AI/Data: NLP, LLMs, LangChain, ONNX, POMDP, Analytics Pipelines

EXPERIENCE

Software Engineer

Phillip Capital India Pvt Ltd

September 2022 – July 2024

Mumbai, India

- Modernized a multi-asset trading platform on Azure/.NET using asynchronous order routing and caching; increased throughput 35% and reduced p99 latency 30%.
- Refactored 20+ stored procedures and integrated the Dapper ORM to cut query times 40%, eliminating CPU spikes during peak trading.
- Designed a real-time dashboard for unlisted share trading using .NET, Azure Jobs and streaming feeds; raised high-net-worth user engagement of 15 % while partnering closely with product & design teams to refine UX.
- Added TradingView charts, basket orders and margin modules to the flagship Phillip9 platform, improving UI responsiveness and driving higher trade volume.
- Developed low-latency order paths in C++17 and JavaScript to reduce tick-to-trade times by 30%, enabling high-frequency trading strategies.
- Coordinated 10+ cross-functional releases annually and enforced CI/CD pipelines, mentoring 2 junior developers and reducing deployment incidents.

Junior Software Engineer

Phillip Capital India Pvt Ltd

April 2021 – August 2022

Mumbai, India

- Built an eKYC/PMS onboarding application using C#, Azure Functions and Cognitive Services, reducing verification errors by 50% and increasing onboarding throughput by 100%.
- Automated compliance workflows with Azure Functions and SQL, eliminating 60% of manual tasks.
- Created a TypeScript realtime alert system for trades & funds; increased reliability and reduced support tickets by 30%.

PROJECTS

Textguard Risk & Compliance (Python, LLM, Flask, NLP)

October 2025 – December 2025

- Built *TextGuard*, an end-to-end governance & compliance NLP system that ingests IDB reports and performs risk extraction, topic modeling, sentiment scoring, and LLM-based summarization with a Flask dashboard; achieved 80% precision & 75% recall on governance risk classification.

Intelligent Task-Planning Copilot (Python, POMDP, LLMs, FastAPI)

September 2025 – October 2025

- Designed an autonomous planning agent using POMDP reasoning and LLM parsing to enable dynamic workflow automation; developed modular components allowing easy extension and reuse .
- Integrated LLM-powered language parsing and heuristic re-scheduling, enabling adaptive, Copilot-style task planning that improved completion efficiency by 30%.

Telehealth Dashboard (Rust, Python, JavaScript, MongoDB, Google APIs)

May 2025 – June 2025

- Built a Rust-based web app with a Python analytics layer, MongoDB backend, and Google Maps APIs to deliver a real time filtering dashboard for the location, rating, and specialty of doctors & health services (hospitals, medical insurance) that resulted in improving decision-making efficiency by 30%.