

# 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%.