Anvay Paralikar

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EDUCATION

The George Washington University, Washington, DC $\hspace{2cm}$ *Aug 2024 – May 2026*
Master of Science in Computer Science $\hspace{2cm}$ GPA: 3.55

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

Savitribai Phule Pune University, Pune, India $\hspace{2cm}$ *Aug 2016 – May 2020*
Bachelor of Engineering in Computer Engineering

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 $\hspace{2cm}$ *Sep 2022 – Jul 2024*
Phillip Capital India Pvt Ltd, 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 $\hspace{2cm}$ *Apr 2021 – Aug 2022*
Phillip Capital India Pvt Ltd, 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) $\hspace{2cm}$ October 2025 – present

- 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) $\hspace{1cm}$ *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) $\hspace{1cm}$ 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%.