

Anvay Paralikar

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Education

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| The George Washington University , Washington, DC | <i>August 2024 – May 2026</i> |
| M.S. in Computer Science | GPA: 3.6/4 |
| Relevant Coursework: Design & Analysis of Algorithm, Software Engineering, Cloud Computing, Computer System Architecture, Machine Learning, Artificial Intelligence, DBMS, Trustworthy AI | |
| University of Pune (SPPU) | <i>August 2016 – May 2020</i> |
| B.E. in Computer Engineering | GPA: 7.1/10 |

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

Professional Experience

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| PhillipCapital , Software Engineer | <i>September 2022 – July 2024</i> |
| – Modernized a multi-asset trading platform on Azure and .NET by implementing asynchronous order routing and distributed caching, increasing throughput by 35% and reducing p99 latency by 30%. | |
| – Architected and deployed secure RESTful APIs with OAuth2 authentication, streamlining integration with external financial data providers and reducing integration time by 40%. | |
| – Refactored 20+ stored procedures and integrated Dapper ORM, cutting query times by 40% and eliminating CPU spikes during peak trading. | |
| – Led real-time dashboard development for unlisted share trading using .NET, Azure Jobs, and streaming feeds, boosting engagement among high-net-worth clients by 15%. | |
| – Engineered low-latency order paths in C++17 and JavaScript, reducing tick-to-trade latency by 30% and supporting HFT strategies. | |
| – Coordinated 10+ cross-functional releases annually with CI/CD pipelines, mentored 2 junior developers, and improved deployment reliability while reducing production incidents. | |

PhillipCapital, Junior Software Engineer

April 2021 – August 2022

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| – Built an automated eKYC and PMS onboarding platform using C#, Azure Functions, and Cognitive Services, cutting verification errors by 50% and doubling throughput. |
| – Developed a TypeScript-based real-time trade alert system, reducing customer support tickets by 30% and improving system reliability. |
| – Implemented full encryption for sensitive financial data (at rest and in transit), ensuring compliance with SEC/CFTC regulatory standards. |
| – Engineered CI/CD pipelines with Jenkins and Git, achieving fully automated deployments and reducing manual deployment errors by 60%. |

Academic Projects

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| Textguard Risk & Compliance (Python, LLM, Flask, NLP) | <i>October 2025 – December 2025</i> |
| – Built an end-to-end compliance intelligence system to ingest IDB reports and extract governance risk insights using topic modeling, sentiment scoring, and LLM-based summarization. | |
| – Achieved 80% precision and 75% recall in governance risk classification; deployed a Flask dashboard for real-time decision support. | |
| Intelligent Task-Planning Copilot (Python, POMDP, LLMs, FastAPI) | <i>September 2025 – October 2025</i> |
| – Designed an autonomous task-planning agent using LLM-driven language parsing and POMDP reasoning for adaptive workflow automation. | |
| – Improved task completion efficiency by 30% through dynamic re-planning and modular, reusable architecture. | |
| Telehealth Dashboard (Rust, Python, JavaScript, MongoDB, Google APIs) | <i>May 2025 – June 2025</i> |
| – 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%. | |