

# Anvay Paralikar

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<https://anvayp1998.github.io/Portfolio/>

## EDUCATION

### The George Washington University

Master of Science in Computer Science [**GPA:3.55**]

Courses: Design & Analysis of Algorithm, Software Engineering, Cloud Computing, Computer System Architecture, Advanced Software Paradigms

Washington, DC

August 2024 – May 2026

### Savitribai Phule Pune University

Bachelor of Engineering in Computer Engineering

Pune, Maharashtra

Aug. 2016 – May 2020

## EXPERIENCE

### Software Engineer

Phillip Capital India Pvt Ltd

September 2022 - July 2024

Mumbai, Maharashtra

- Revitalized Fixed-Income Trading Platform using .NET Core, C#, and JavaScript - optimizing server-side logic, modernizing UI, and boosting throughput by 35%, significantly enhancing client engagement.
- Accelerated Ms SQL query processing by refactoring over 20 legacy database procedures and implementing Dapper ORM, slashing data retrieval times by 40% and enabling more responsive trading workflows.
- Engineered real-time PCI Unlisted Shares dashboard, integrating market feeds and live metric updates with ASP.NET MVC/jQuery and Azure Web Jobs—boosting platform engagement by 15% among HNI users.
- Enhanced Phillip9 multi-asset trading platform, integrating TradingView-powered live charting, basket orders, Greek values, and margin facility modules—improving trade UX and platform responsiveness.
- Designed and deployed Azure-backed automated reporting service using C#, Azure Functions, and SQL Server, which automated daily compliance and performance reporting—reducing manual labor by 60%.

### Junior Software Engineer

Phillip Capital India Pvt Ltd

April 2021 - August 2022

Mumbai, Maharashtra

- Streamlined eKYC & PMS onboarding workflows using .NET, C#, and Azure Cognitive Services implementing secure document capture, verification, and eSign modules, reducing manual verification errors by 50%.
- Automated client notification system using C#, HTML/CSS, and JS/jQuery for trade alerts, funds updates, and margin calls—elevating customer communication efficiency and reducing support tickets by 30%.
- Architected and deployed Automated Reporting Tool using C#, Azure Functions, and SQL Server to auto-generate daily compliance and trading performance reports resulting in a 60% time reduction for backend and audit teams.
- Facilitated cross-team collaboration by standardizing code architecture, mentoring interns, and conducting inline code reviews, which helped reduce production defects by 25%.

## PROJECTS

### Telehealth Dashboard | Rust, JavaScript, HTML, CSS, Google API

October 2024 – November 2024

- Designed and developed the Health Dashboard, a Rust based web application enabling users to filter healthcare providers by location and specialty, compare services, and access an interactive UI for informed decision making.
- Integrated Google API to fetch real-time data, reducing search time by 30%, significantly enhancing decision making speed.

### HFT Trading Simulator | Rust, JavaScript, HTML, Chart.js, REST API

May 2025 – June 2025

- Engineered a full-stack HFT simulator with live order book, trade-matching engine, real-time Chart.js visualizations, and strategy bot integration—delivering under 10 ms latency and enabling users to accurately compare automated trading strategies.
- Implemented robust validation, error handling, and modular REST APIs, enabling reliable trade execution, strategy automation, and extensible system design aligned with best software engineering practices.

## TECHNICAL SKILLS

**Languages:** C#, C++, Rust, Python, JavaScript, SQL (Postgres, MS-SQL), HTML/CSS

**Frameworks:** .NET Core, Entity Framework, React, Node.js, Fast API, Postman,

**Developer Tools:** Git, Docker, Google Cloud Platform, AWS, VS Code, Visual Studio, PyCharm, Microsoft SQL Server

**Libraries:** Dapper, QT Creator, Axum/Actix Web, PgAdmin, Pandas/Numpy, SQLAlchemy, DockerCompose, Bash