

Anvay Paralikar

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EDUCATION

The George Washington University

Washington, DC

Master of Science in Computer Science

May 2026

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

Savitribai Phule Pune University

Pune, Maharashtra

Bachelor of Engineering in Computer Engineering

June 2020

- **Courses:** Machine Learning, Artificial Intelligence, Data Mining and Warehousing, Data Structures & Algorithms.

TECHNICAL SKILLS

- **Technical Languages** - C#, C++, Java, Rust, SQL, Python, JavaScript, jQuery, HTML, Vue Js, CSS, React JS, PostgreSQL.
- **Framework** - .NET Core, ASP.NET, Entity Framework, .NET Microservices, Kubernetes.
- **Cloud & DevOps** - AWS, Google Cloud Platform, Docker.
- **Developer Tools**- Microsoft Visual Studio, Microsoft SQL Server, VS Code, QT Creator, Postman, Git, JIRA, SSMS

RELEVANT WORK EXPERIENCE

Phillip Capital India Pvt Ltd

Mumbai, Maharashtra

Software Engineer

September 2022 - July 2024

- **Software Development & System Enhancement:** Modernized Fixed Income Trading platform using .NET Core, C#, and JavaScript, boosting client engagement by 35% and improving frontend responsiveness.
- **High-Performance Data Processing:** Refactored 15+ SQL stored procedures to reduce query execution time by 40%, enabling faster transaction processing under high loads.
- **Automation & Workflow Streamlining:** Automated generation and email delivery of financial reports using SQL Server and C#, improving reporting accuracy and frequency.
- **Secure System Development:** Developed a secure eKYC system with real-time document verification, photo capture, and eSign integration for PMS onboarding.
- **Reliability & Issue Resolution:** Troubleshoot and resolved 60% of critical backend issues using SQL diagnostics and Postman for API validation in Agile cycles.
- **Developed and tested RESTful APIs** for onboarding workflows using .NET Core and Postman, improving backend service reliability.

Junior Software Engineer

April 2021 - August 2022

- **Designed and launched DIFC eKYC Demat Account** web app using .NET MVC and jQuery, reducing manual KYC processing time by 80%.
- **Developed a real-time web platform** for PCI Unlisted Shares, delivering live updates on market metrics and growing company offerings by 15%.
- **Collaborated with multi-disciplinary teams**, translating technical requirements into practical solutions while mentoring junior developers and assisting in documentation and client communication.
- **Engineered** trading features for **IPOs** and **bonds**, with optimized backend data flows and form-driven interfaces to improve reliability.

TECHNICAL PROJECTS

Telehealth Dashboard

October 2024 - November 2024

- **Designed and developed** the Telehealth 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 real-time data** from telehealth providers with NPI, ensuring up-to-date service availability and seamless access to specialized medical information, cutting down user search time and enhancing decision-making accuracy.

HFT Trading Simulator

March 2025 - April 2025

- **Built a C++17-based simulator replicating HFT environments** with real-time order book management, market data feed processing, strategy-driven trading and Logging System.

Mold Monitoring System

December 2019 - February 2020

- **Developed a real-time** mold monitoring system using sensor data integration and embedded control logic; reduced reporting time by 90% and enabled live tracking of 100+ units using microcontroller-based automation.
- **Designed and implemented a reporting tool**, lowering operational costs by 30%, Integrated predictive maintenance alerts, minimizing mold downtime by 15% and enhancing equipment lifecycle management, leading to a 25% improvement in decision-making for maintenance teams.