Anvay Paralikar

anvay.paralikar@gwu.edu | +1 (571) 457-0595 | LinkedIn | Github | Portfolio

Seeking a Software Development Engineer Intern role where I can apply my skills in C++, Rust, Python, and SQL to support test automation, backend optimization, and troubleshooting within high-performance platforms. Experienced in full-stack development, GCP, and data-driven application testing.

EDUCATION

The George Washington University, School of Engineering & Applied Science   **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, CSS, Vue JS, PostgreSQL.
- **Framework & Tools** - ASP.NET, .NET Core, .NET Microservices, SSMS, JIRA, Git, Google Cloud Platform, AWS, Entity framework, Visual Studio 2022, Microsoft SQL Server Management, Kubernetes, VS Code, Postman, Rocket.

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**: Troubleshot 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.

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.