

Prathmesh Sonavale

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SUMMARY

Experienced in C++ and C# development, I am actively pursuing exciting opportunities to apply my skills in solving intricate challenges. Ready to bring my **2.5+ years** of expertise to the table, I thrive on problem-solving and delivering impactful solutions

TECHNICAL SKILLS

Programming Languages: C++, C#

Libraries and Tools: Socket programming, Interop, WPF, Git, Docker, Protobuf

Debugging Tools: GDB, Visual Studio

Other Technical Skills: DSA, DBMS, Linux, gRPC, FIX Protocol, OOP

WORK EXPERIENCE

Associate Software Developer

Flextrade Systems, Pune, IN

Aug 2022 - Present

- Added features for traders on multiple AssetType Tiles and applied various **Design patterns** in L2 Dashboard project.
- Development of features and bug-fixes in **AlertClient** (project to generate custom alerts on specific events).
- Socket Programming & Multithreading.
- Exposed method from C++ to C# through **Interop** to communicate C# modules with C++.
- Worked with **Google Protobuf** to serialize and send message with **gRPC**.

Internship

NCR Corporation, Mumbai, IN

Jan 2022 - Jul 2022

- Added feature to digitally sign reports in C#.
- Utility to create Test files in **Python**.

Web Developer

ELESA (WCE Sangli), Sangli, IN

2019 - 2022

- Upgraded website backend from Plesk (Windows server control panel) to **Linux** server.
- Developed backend from scratch in **Django & MySQL** to manage club members data and update profiles on website dynamically.
- Events registration system for club mega event with referral benefits to applicant. Successfully conducted events for **700+** participants.

PERSONAL PROJECTS

- **RayTracing Simulator**
Project to Learn about how **3D** objects rendered on screen. rendered 3D objects with **Diffused & Phong Surface**. on top of this added features like Shadows & Reflection of surfaces. build this raw 3D renderer from scratch in C++ and stored output image in **PPM**. [GitHub](#)
- **Ticket Booking System**
Learning Project: **C++ Sockets & CMake**
One server multiple clients architecture with **Multithreading** & Round-robin
- **Syllabus Management System**
Web-based solution to assign subject to teachers, manage course-wise CO-PO mapping & generate reports of teachers who get approval of syllabus and successfully submitted copies to department.
Completed this project for college in 3rd year using TechStack: **Django, Python, HTML, CSS** [GitHub](#)

EDUCATION

Walchand College of Engineering, Sangli
Electronics Engineering

Sangli, Maharashtra, IN
2018 - 2022 (CGPA: 8.07/10)

Rajput Junior College of Science, Sangli
Science

Sangli, Maharashtra, IN
2016 - 2018