Subodh Wagh

Newasa, Maharashtra

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Education

M.Sc. (Computer Science) — Pursuing
Savitribai Phule Pune University, Pune

B.Sc. (Computer Science) — Completed Jun 2024
PVP College of Arts, Science and Commerce, Pravaranagar, Maharashtra

Experience

Java Developer Intern, CodSoft GitHub — *Mar 2024 - Apr 2024*
- Improved Java programming and software efficiency.
- Developed Address Book and Student Management Systems.

CSFG Cell Member, Department of Computer Science, SPPU — *2025 - 2026*
- Coordinated departmental events to promote student engagement.
- Assisted in organizing workshops and seminars for CS students.

Projects

All-in-One Advanced Calculators (CalcRafter) GitHub — *2024*
- Engineered a full-stack web application using HTML, CSS, JavaScript, PHP, and Bootstrap, enabling multi-domain calculation functionality.
- Implemented modular architecture and client–server communication for 20+ dynamic calculators across mathematics, finance, and health domains.
- Optimized UI responsiveness and performance through DOM manipulation, event-driven logic, and efficient input validation.

Self-Derived Translator GitHub — *2025*
- Engineered a C-based source-to-source compiler that transforms a custom high-level syntax into ARM64 assembly, implementing lexical tokenization, recursive descent parsing, and code emission pipelines.
- Designed a modular compilation architecture integrating symbol table management, register allocation, label resolution, and branch generation for function-level control flow.
- Optimized instruction sequencing and stack frame management at the assembly level, demonstrating deep understanding of calling conventions, stack discipline, and CPU register semantics.

Skills

Technical Skills: Java (Basic), Python, C, Basic Bash Scripting, Databases, Data Structures, Data Analysis, Finite State Machines
Tools: Linux, NEST, FRR, Git, VS Code
Soft Skills: Communication, Leadership, Multitasking, Teamwork, Problem Solving, Task Prioritization, Project Management, Decision Making

Certificates

C Language Certificate
Java Internship Certificate
Java Certificate