

EDUCATION

MOHAMED SATHAK ENGINEERING COLLEGE	Kilakarai,TN
Bachelor of Engineering in Computer Science Engineering	Expected June 2026
Major in Computer Science	
Cumulative GPA: 8.13/10; 2022-2026	
Relevant Coursework: DSA, Operating Systems, Compiler Design	

SKILLS

System & Virtualization:	GNU/Linux VirtualBox
Programming & Scripting:	C/C++ Bash Python Git
Web & App Development:	React Native Expo JavaScript Android Studio
Networking & Security:	TCP/IP Wireshark Nmap Subnetting

TECHNICAL PROJECTS

MiniC Compiler GitHub C11/POSIX	June 2025
Type: Self-directed compiler project (120 hours)	
Technical Implementation:	
- Parsing: Recursive descent with Pratt precedence (* / > + -)	
- Symbol Table: Hash-based O (1) variable lookup	
- Error Handling: Line/column-aware diagnostics	
- Validation: Syntax error diagnostic	
Core Skills Demonstrated:	
- Compiler Construction: Lex → Parse → AST → Eval	
- Systems Programming: POSIX, Memory Management	
- Debugging: GDB, AST Visualizations	