AARUSH PAHUJA

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LinkedIn • GitHub • Portfolio

SUMMARY

Computer Science student with 3+ years of experience in full-stack development, IT infrastructure, and systems support. Proven success deploying enterprise tech at scale, building apps with Node.js and React, and scripting secure environments. Bilingual (EN/FR) communicator with strong problem-solving, cloud, and DevOps skills.

SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, Java, C, C++, C#, PHP, SQL, HTML/CSS
- **Frameworks:** NodeJS, React, Express, .NET, WordPress
- **Databases:** MySQL, MongoDB, SQLite, SQL Server
- **Cloud/Tools:** Azure, Git, Docker, PowerShell, REST APIs
- **Systems:** Windows, Linux | SAP GUI, Salesforce | Cisco Switch Config
- **Security:** BitLocker, GPOs, Windows Hardening, Audit Policies

PROJECTS

Interactive Developer Portfolio
Stack: HTML, CSS, JavaScript, Vite, GSAP, Three.js • aarush-04.github.io/Portfolio/ • June 2025 - July 2025

- Created 3D SVG portrait with 20K+ points and GSAP scroll animations.
- Showcased 3+ projects via animated cards; ensured responsiveness & mobile compatibility through optimization.
- Cut page size by 40%, scoring 90+ in Lighthouse performance tests.

Windows IPC Hardening Toolkit – Cybersecurity Simulation
Stack: PowerShell, Windows Security Policies, BitLocker • github.com/Aarush-04/Windows-IPC-Hardening • June 2025 - June 2025

- Automated lockdowns (USB, RDP), enabled BitLocker, enabled secure boot, and simulated hardened deployment for SAP/Kronos-based environments in industrial use cases.
- Applied Group Policy & NIST-compliant logging for SAP-like use cases.
- Reduced attack surface by 70% per Microsoft baseline.

Windows ARMv7 Instruction Set Simulator
Stack: C, Python, ARM • github.com/Aarush-04/ARMv7-Simulator • January 2025 - May 2025

- Emulated 8+ instructions (LDR, STR, ADD, etc.) with CLI runner.
- Designed visual debugger with step-through execution.
- Validated 25+ instruction cases for edge condition handling.

AI Connect Four Game (2024)
Stack: Python • github.com/Aarush-04/AI_Connect_Four • September 2024 - December 2024

- Maintained 100% unit test coverage on game logic, winning condition checks, and move history.
- Built minimax AI with alpha-beta pruning (sub-50ms hard mode).
- Scalable difficulty; full unit test coverage for game logic.
- Designed dynamic 7x6 CLI board rendering and move validation with Object-Oriented Programming structure.

RELEVANT EXPERIENCE

Freelance Web Developer
RestlessEra, RobinRawSupplies, Nucleus Sports Group, Stealth Media Group
April 2021 - February 2025, Remote

- Built 4+ client sites with inventory, payment & barcode systems.
- Boosted performance by 50% using caching & lazy loading.
- Developed Azure automation scripts and SEO-friendly UIs.

IT Infrastructure Specialist & Bilingual Omni-Channel Specialist
August 2023 - September 2024, Brampton, Ontario
DHL Express Canada

- Deployed 100+ SAP systems across 7+ Canadian sites using standardized workflows.
- Provided Tier 2 EN/FR support and automated Windows setup scripts and asset tracking, reducing provisioning time by 30%.
- Configured Cisco APs and supported infrastructure rollouts.
- Achieved top-tier KPI performance and documented SOPs to streamline onboarding.

Full Stack Developer Intern
February 2023 - May 2023, Oakville, ON
Red Trait Ventures

- Developed .NET & WordPress apps used by 5,000+ users.
- Led Azure deployments and cut frontend load time by 40%.
- Managed hosting/DNS records and provided Tier 1 support for infrastructure issues.

Warehouse Optimization Assistant
April 2021 - April 2021, Mississauga, Ontario
Universal Field Supplies - The Arborists Store Canada (Contract)

- Improved inventory accuracy by 35% by implementing barcode scanning system.
- Integrated workflow into Salesforce and trained staff on updated logistics procedures.
- Reduced fulfillment time by 25% through process redesign and optimization.

EDUCATION

BSc. Hon. Computer Science
Wilfrid Laurier University • Waterloo, Ontario • 2026