Puspendra Chawla

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Professional Summary

Recent Computer Science graduate with a strong foundation in software engineering principles and a passion for building scalable and efficient systems. Skilled in programming with Go and Python, and experienced in developing projects that incorporate CI/CD pipelines, containerization with Docker, and infrastructure automation using Terraform and AWS. Adept at problem-solving, collaborating in team environments, and continuously learning modern technologies to deliver reliable software solutions.

Education

Bachelor of Technology in Computer Science — 2021 – 2025
Modern Institute of Technology and Research Centre, Rajasthan, India
CGPA: 7.8/10 — *Relevant Coursework:* Cloud Computing, DSA, Computer Networks

Senior Secondary School (Science) — 2019 – 2021
Yashwant Senior Secondary School (RBSE) — Percentage: 82%

Technical Skills

- **Programming Languages:** Go , C++ , Python , JavaScript , Bash
- **Cloud Platforms:** AWS - EC2, S3, IAM, VPC, EKS, ECS, Lambda
- **DevOps Tools:** Docker , Terraform , GitHub Actions , Kubernetes , Jenkins , Ansible , Helm
- **Databases:** MongoDB, PostgreSQL, Redis, MySQL
- **Version Control:** Git, GitHub

Project Portfolio

Authentication-System — Go JWT Authentication *Personal Project*
Technologies: Go, Gin, PostgreSQL, Redis, JWT, Docker, NGINX — GitHub — Live Demo

- Built production-ready authentication system with Go and Gin, featuring JWT tokens and enterprise-grade security
- Implemented user management with bcrypt hashing, email verification, and secure password reset workflows
- Designed robust security with Redis caching, CSRF protection, rate limiting, and automated account lockouts
- Built layered architecture with Docker, NGINX reverse proxy, and structured logging for production deployment

AnimeVerse — Full-Stack Cloud Platform *Personal Project*
Technologies: Go, Terraform, Docker, GitHub Actions, AWS EC2 — GitHub — Live Demo

- Developed production-ready cloud-native web application with scalable Go backend architecture and containerization
- Implemented Infrastructure as Code using Terraform for automated AWS resource provisioning and configuration
- Built comprehensive CI/CD pipeline with GitHub Actions for automated testing and streamlined deploy workflows
- Configured multi-stage Docker containerization with optimized images for consistent development environment setup

AutoSnapper — Microservice Architecture *Personal Project*
Technologies: Go, React, Docker, AWS ECS, Redis, Terraform — GitHub — Live Demo

- Designed scalable event-driven microservice architecture with decoupled frontend and backend service components
- Implemented distributed caching strategy using Redis with connection pooling to improve application response times
- Deployed containerized services on AWS ECS with auto-scaling configuration and comprehensive load balancing
- Integrated comprehensive health monitoring endpoints with structured logging and real-time performance tracking

Key Strengths

- **Problem-solving:** Analytical thinking and systematic approach to troubleshooting challenges
- **Self-directed Learning:** Continuous improvement mindset with strong documentation habits
- **Collaboration:** Team player with experience in group projects and code review processes

Certifications & Achievements

- **IBM DevOps, Cloud, and Agile Foundations** (Coursera, 2024)
- **DevOps: Beginner to Advanced with Projects** (Udemy, 2025)
- **Active Tech Community Member** - daily.dev (143-day streak, 322 reading days)

Interests & Hobbies

Tech Articles, Open Source Enthusiast, Linux Enthusiast, Tech News, Music