

SAHARSH BHANSALI

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WORK EXPERIENCE

Bain & Company (BCN) <i>Analyst</i> Pandas, SQL, PySpark, FastAPI, Docker, Azure, GCP, Plotly-Dash, NextJS	Jan, 2025 – Present	<i>On-site</i>
<ul style="list-style-type: none">Built and deployed a SparkSQL ETL framework on GCP (Dataproc, BigQuery) for a large US retailer, using PyTest & GitHub Actions for CI/CD.Integrated ETL pipeline execution with a custom orchestration system, validated across test and production cloud environments, and led on-site handover sessions.Implemented a DuckDB- and SQL-based ETL pipeline for a UK & Ireland retailer, orchestrating SQL execution via Python for lightweight analytics workloads.Developed dashboards using Pandas and Plotly-Dash/ReactJS migrating out of Tableau, resulting in \$200K per annum saved in licensing costs.Deployed and maintained multiple tools with Docker and Azure. Optimized existing tools for performance (10x latency reduction) and scalability (multi-user support and load balancing).Integrated AI into toolkits using OpenAI Chat- & Responses-APIs, LangChain, and LangGraph.		

Stealth Startup <i>Freelance</i> AWS, Django, PyTest, Nginx, Docker ↗	June, 2024 – Dec, 2024	<i>Remote</i>
<ul style="list-style-type: none">Provisioned cloud and security infrastructure. Set up API servers and reverse-proxy for different endpoints.Dockerized and self-hosted a Supabase instance, with an externally managed Postgres database on a local docker network. Integrated API with Supabase (Database, Realtime, & Auth) APIs.Created a unit-test suite for the API using PyTest and Django's testing framework.		

PROJECTS AND EXTRA CURRICULARS

Decentralized Voting ↗ FastAPI, PyTest, Docker, Jupyter Notebook ↗	Sept, 2024 – Nov, 2024	
<ul style="list-style-type: none">Built an API for a decentralized referendum platform using alternative voting systems.Visualized the difference between traditional voting and alternative systems like Ranked Choice Voting.Implemented a Zero Knowledge Proof based user authentication system.Containerized the backend for easy and consistent deployments across systems.		

CLI - Top ↗ Go, Cobra, Glamour, GitHub Actions, BurpSuite*	Dec, 2023 – Jan, 2024	
<ul style="list-style-type: none">Unofficial CLI to access the university's Learning Management System (LMS); used by 400+ students.Developed key features – autologin, attendance alert, kill-switch for centralized control, and mark totaling.Built a CI/CD pipeline to distribute binaries using GitHub Actions.		

Association for Computing Machinery Student Chapter - VIT	June, 2022 – Dec, 2024	
<ul style="list-style-type: none">Lead the Research team for AY 2024-25.Developed questions for the Reverse Coding contest with 500+ contestants.*Built CI/CD pipelines for Reverse Coding using GitHub Actions, Docker, and CMake for multi-platform question binaries. ↗Facilitated Cryptic Hunt – a 3-day, annual, campus-wide, hybrid treasure hunt – with 700+ participants.Speaker and organiser at CodexCryptum, a cryptography and cybersecurity bootcamp, for 2 years.		

Self-Taught Tinkerer *		
<ul style="list-style-type: none">System Administration ↗ Shell Scripting, Chezmoi, GNU Stow, Nix, Ansible: A development setup and streamlined workflow, with automated configuration management, rapidly deployable on multiple platforms.Home Labs, CTFs, and Bug Bounties BurpSuite, Ghidra, Metasploit, JohnTheRipper, Gobuster, Exiftool, ReconDog, VirtualBox, ParrotOS, Kali Linux: Learning cyber-security through hands-on exercises.		

CERTIFICATIONS

- Solutions Architect Associate (SAA-C03)** - Amazon Web Services (AWS) ↗
- Certified Cloud Practitioner (CLF-C02)** - Amazon Web Services (AWS) ↗

EDUCATION

Vellore Institute of Technology

Bachelor of Technology - Computer Science and Engineering - **CGPA - 9.18**

July, 2021 – July, 2025

Vellore, India

TECHNICAL SKILLS

- **Technologies and Frameworks:** Git, Docker, AWS, Azure, GCP, FastAPI, PySpark, Pandas, NextJS, ReactJS, Plotly-Dash, Redis, OpenAI API, LangChain, LangGraph, Alteryx, Tableau, PowerBI, BurpSuite, Nessus, Ghidra, Metasploit, JohnTheRipper, Gobuster, Exiftool, Infoga, ReconDog
- **Languages:** Python, Shell Scripting, C/C++, Go, Java, TypeScript, SQL, NoSQL, R
- **Developer Tools:** VMWare, VirtualBox, Linux, GitHub, Neovim, Excel