



AKSHAT DUBEY

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EDUCATION

Vellore Institute of Technology, Vellore, Tamil Nadu – B. Tech (Computer Science and Engineering) – 2026 | CGPA: 7.44

VSPK International School, Rohini, Delhi – 12th Class – 2022. With 85%

EXPERIENCE

- **Centre for Chronic Disease Control (CCDC), New Delhi System Support Intern | June 2025 – July 2025**

Completed practical training as part of the IT support team at CCDC where I troubleshoot desktop related technology issues for internal users and resolved software network and hardware concerns. I set up and maintained workstations for new employees ensuring smooth access to organizational systems and assisted in upgrading operating systems while handling support queries both on site and remotely. I gained hands on exposure to IP addressing and core networking technologies including TCP, UDP and DHCP, worked with Network Attached Storage NAS systems and server configurations across on premise and cloud based environments. I also learned how data is managed, accessed and secured across different systems.

- **MILESTONE (NGO), New Delhi Volunteer | May 2025 – June 2025**

Contributed to community outreach initiatives focused on public health awareness and environmental sustainability. Participated in organizing and executing on-ground campaigns, awareness drives and eco-friendly programs targeting local communities. Promoted sustainable development practices and collaborated with grassroots teams to create social impact through educational and health-focused activities.

- **Centre for Railway Information Systems (CRIS), New Delhi Web Development Intern | June 2024 – July 2024**

Completed practical training under the Freight Operations Information System (FOIS) division. Gained hands-on experience in full-stack development by building a website for Indian Railways using HTML, CSS, JavaScript and integrating backend services with Python Flask and SQL. Contributed to FOIS project modules focusing on operational efficiency and user accessibility.

TECHNICAL PROJECTS

- **ASKVIT – AI-Powered Academic ERP with Chatbot (On-going)**
Developing a scalable full-stack ERP system with role based dashboards for students faculty and administrators where I am implementing modules such as timetable management attendance tracking grading systems academic calendar and leave management. I am designing and developing RESTful APIs using FastAPI with structured database models using SQLAlchemy and integrating an AI-powered chatbot using LLM Ollama to handle real time academic queries. The system is being built with a scalable architecture that supports multi-role access and structured academic workflows.
- **Spotless – Digital Agency Ecosystem (Completed)**
Built an enterprise-grade full-stack platform combining a Next.js frontend with a NestJS backend and designed a scalable system architecture using PostgreSQL, Prisma ORM and Redis caching. Implemented secure authentication mechanisms using JWT and role based access control RBAC and developed CRM modules for lead management, analytics dashboards, and client project tracking systems. Integrated real time collaboration and ticketing features to enhance client communication and workflow efficiency.
- **BharatFin – Explainable Multimodal RAG Financial Assistant (Completed)**
Developed an AI-powered financial assistant that integrates OCR-based portfolio extraction and implemented retrieval-augmented generation RAG for intelligent query responses. Integrated real time NSE and BSE financial data pipelines to enhance accuracy and ensured the system focuses on explainable AI for transparent and evidence-based financial recommendations.
- **Amitabh Overseas – Global E-Commerce Platform (Completed)**
Developed a full-stack international e-commerce platform supporting multiple languages including English, Arabic, French, German, and Spanish and integrated the Razorpay payment gateway with secure order creation and verification APIs. Built backend services using Supabase for real-time inventory and data management and implemented automated email notifications using Nodemailer for order confirmations and user communication. Designed a scalable user interface and efficient state management using React Next.js and Zustand.
- **EV Market Segmentation (Completed)**
Analyzed EV customer and sales datasets using Python, where I applied K-means clustering for customer segmentation and pattern identification. Generated meaningful insights using pandas and matplotlib visualizations and identified regional trends along with distinct customer group behaviors.

POSITIONS AND RESPONSIBILITIES

- Vice Chairperson, Innovation and Creation Club (Technical Club), VIT VELLORE
- Advisory Member, Innovation and Creation Club, VIT VELLORE
- Student Volunteer, gravitas '23 and RIVIERA '23 at VIT VELLORE
- Event Coordinator, Coded Couture Clash (gravitas '24)
- Event Coordinator, Techno-Quarrel (Yantra 2024)
- Event Supervisor, MonopolyX
- Event Coordinator, BGVS

SKILLS

Programming & Frameworks: Python, Java, C/C++, JavaScript, TypeScript, Spring Boot, FastAPI, Flask, Next.js, React, NestJS

Data Structures & Algorithms: Arrays, Linked Lists, Stacks, Queues, Trees, Sorting, Searching

Databases: MySQL, MongoDB, PostgreSQL, Supabase

Big Data & Analytics: pandas, NumPy, Advanced Excel, matplotlib

Cloud & Networking: AWS (EC2, S3, IAM), M365, Active Directory, Networking Fundamentals, TCP, UDP, DHCP

Operating Systems: Windows, Linux, macOS

IT Support & Tools: Desktop Troubleshooting, Remote Support, System Setup, Snipe IT, Version Control (Git, GitHub), Docker

AI/ML: Machine Learning Algorithms, Data Preprocessing, Model Building, RAG Systems, OCR

Business & Analysis: Financial Markets Requirements Gathering Documentation, Wireframing, Figma, Canva

Cybersecurity & Governance: Data Privacy, Information Security Awareness, Authentication, Authorization, Role-Based Access Control (RBAC), JSON Web Token (JWT)

Soft Skills: Communication, Teamwork, Leadership, Problem-Solving

PROFESSIONAL CERTIFICATIONS

- JPMorgan Chase Investment Banking Job Simulation – Forage (July 2025)
- Power BI Advanced Certified Workshop – Skill Nation

- Getting Started with Power BI (2025) – LinkedIn Learning
- Product Management – LinkedIn Learning
- Root Cause Analysis: Getting to the Root of Business Problems – LinkedIn Learning
- Business Development Foundations: Researching Market and Customer Needs —
LinkedIn Learning