VEDANSH DHAWAN

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EDUCATION

Bachelor's of Computer Science, VIT Vellore CGPA: 9.13   Expected 2026

○ **Achievements:** Achieved S grade (highest possible) in Basic Electrical Engineering, Technical English, Java, C++, Operating Systems and Embedded Systems
○ **Activities:** Core Committee Member of Blockchain Community and VIT Model United Nations Society; Member of Google Developers Student Club and Apple Developers Group

Senior Secondary Education, Delhi Public School, Gurgaon   2013 - 2022

○ **Academics:** Scored **92%** in Class 12 (CBSE) and **98.4%** in Class 10 (CBSE)
○ **Achievements:** School House Captain; Active Member of Model United Nations Society

SKILLS

Programming Languages	Python, Java, C++, C, JavaScript, TypeScript, HTML, CSS
Data Analytics	BI & Tableau, Power BI, Excel, Data Visualization, Statistics
Frameworks & Libraries	React.js, Express.js, Tailwind CSS, FastAPI
Databases	MySQL, PostgreSQL, Oracle Database, MongoDB, SQL & PL/SQL
Cloud & DevOps	AWS fundamentals (EC2, S3), Version Control: Git & GitHub
AI & ML	Natural Language Processing (NLP), Machine Learning, OpenAI API
Others	Microsoft Office Suite, Agile & Scrum methodologies, Basics of networking

EXPERIENCE

Software Intern   May 2024 – July 2024
Ericsson   Noida, Uttar Pradesh, India

- Spearheaded the development of five Python-based automation scripts designed for network diagnostics, reducing manual effort by 40% and improving troubleshooting efficiency by 30%.
- Executed over 100 test cases for telecom software validation, improving system reliability and reducing critical bugs by 25%.
- Collaborated with cross-functional engineering teams to analyze and optimize mobile network protocols, resulting in 20% faster issue resolution across key modules.
- Enhanced Linux system administration workflows through scripting, increasing daily telecom task efficiency by 35%.

PROJECTS

VDreamScape – AI-Powered Dream Analysis App

○ Description: Built a full-stack dream analysis platform using AI to analyze and interpret user-submitted dreams into psychological narratives.
○ Features: Symbol analysis, reflection prompts, responsive UI with light/dark themes.
○ Implemented OpenAI API integration with fallback mocks, maintaining 99.9% uptime.

Personal Portfolio Website

○ Technologies: React, TypeScript, Tailwind CSS, Express.js, PostgreSQL, OpenAI API, Framer Motion
○ Features: Voice navigation, dark/light theme toggle, chatbot, animated UI, contact form with backend integration.
○ Deployment: Fully SEO-optimized, deployed via Vercel.

LinkedIn Résumé Forge

○ Technologies: Python, Flask, Gemini API, Selenium, BeautifulSoup, ReportLab, HTML, CSS, JavaScript

○ Features: AI-driven LinkedIn profile parser, zero-scraping privacy mode, instant professional PDF résumé generation, regex-based smart fallback, sleek interactive web UI.

○ Deployment: Local Flask setup with optional integration of Gemini API for intelligent, structured résumé creation.

ChatGPT said:

Advanced Health News Analysis Platform – AI-Powered NLP & Analytics

○ Built an end-to-end AI platform for analyzing health news via URL, file, or text input with abstractive summarization using PEGASUS and transformer-based models.

○ Designed a 9-stage NLP pipeline (normalization, TF-IDF, embeddings) and evaluated models using 29 metrics including ROUGE, semantic similarity, and efficiency.

○ Created interactive dashboards with radar charts, word clouds, and GPT-powered semantic search for intelligent querying.

○ **Technologies:** Python, Streamlit, Hugging Face Transformers, NLTK, Scikit-learn, Plotly, BeautifulSoup.

CERTIFICATIONS

- Data Fundamentals – IBM-SkillsBuild

- Goldman Sachs Operations Job Simulation

- Microsoft Azure AI Essentials Professional Certificate: Microsoft and LinkedIn

- Deloitte Australia Data Analytics Job Simulation

- AWS Educate: Introduction to Cloud 101 – Amazon Web Services (AWS)

- J.P. Morgan - Quantitative Research Job Simulation

- Prompt Engineering & Programming with OpenAI — Columbia+

- Foundational C# with Microsoft — freeCodeCamp

- Introduction to MongoDB: MongoDB

HONORS & AWARDS

- Gold Medal: Continuous academic excellence in high school, Delhi Public School Gurgaon

- National Topper, Mathematics and IT: Achieved full marks in national final exams in class 10th board exams

- Photography and Editing Competition: 2nd Prize, Blue Bells Public School, Gurgaon