KANISHK K. PANDEY

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GitHub | LeetCode | LinkedIn | Website

EDUCATION

- **Sardar Vallabhbhai National Institute of Technology (SVNIT)** *2023 - Present*
  Bachelor of Technology in Computer Science and Engineering Surat, India
  - CGPA: 8.89/10.0 | Relevant Coursework: Data Structures, Algorithms, DBMS, OS, Networks
- **St. Arnolds Central School** *2020 - 2022*
  Higher Secondary Education - Science & Mathematics Pune, India
  - Grade: 92.6% | Subject Topper in Chemistry

TECHNICAL SKILLS

- **Programming Languages:** JavaScript/TypeScript (1 year), Python (2+ years), C/C++ (2+ years), Java (1+ year), SQL, HTML/CSS
- **Web Development:** React.js, Next.js, Express.js, Node.js, REST APIs
- **Cloud & DevOps:** Docker, Kubernetes, CI/CD pipelines, Github Actions, Cloudflare Workers, Git
- **Database Technologies:** SQLite, PostgreSQL, MongoDB, Drizzle ORM
- **Machine Learning:** TensorFlow, NLP, Classification Models, Data Preprocessing, Model Evaluation

PROJECTS

- **Consultancy Project Management System** *Dec 2024 - Mar 2025*
  Tech Stack: React, TypeScript, SQLite, Cloudflare Workers
  - Developed and deployed backend solution to digitize contract approval workflows for SVNIT faculty, reducing manual administrative effort across departments
  - Automated CRON jobs with Cloudflare Workers, decreasing manual follow-ups and saving approximately 2 hours weekly (estimate)
  - Implemented strategic caching with Cloudflare KV to eliminate redundant backend connections, reducing response times by 200ms
- **CureGPT: AI-Driven Disease Classifier** *Oct 2024 - Nov 2024*
  Tech Stack: Python, Scikit-Learn, Flask, HTML/CSS [GitHub]
  - Led a team of 4 to develop an AI-based disease prediction system using natural language inputs with 85% accuracy
  - Leveraged a Random Forest ensemble model, outperforming Histogram-based Gradient Boosting by 12% in prediction accuracy on clinical symptom dataset
  - Constructed a user-friendly chatbot interface and optimized model performance for concurrent requests
- **Darshan: The Wikipedia of Indian Heritage** *May 2024 - Aug 2024*
  Tech Stack: Node.js, Express, MongoDB, Github Actions [Demo | Github]
  - Engineered a digital platform showcasing Indian historical sites
  - Included geolocation-based search using OverpassAPI, improving heritage discovery and user experience
  - Deployed to Azure using Automated CI/CD pipeline (Github Actions) with containerized infrastructure
  - Orchestrated multi-container setup (NGINX + App), reducing baseline memory usage from 220MB to 90MB

ACHIEVEMENTS

- **First Position in WebWonders 2024** *Aug 2024*
  - Led a team of 4 to develop a culturally significant web application for India's unheard heritage, recognized for innovative and featureful approach
- **Competitive Programming** *Present*
  - Solved 220+ algorithmic problems on Leetcode, demonstrating strong data structures and algorithm skills
- **Participant in Robowars**, Mindbend Tech Festival *Feb 2024*
  - Designed and built a combat robot with custom electronics in a team of 3, implementing fail-safe mechanisms