Satyam Kumar

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LinkedIn | GitHub | Portfolio

EDUCATION

Dayananda Sagar College of Engineering, Bengaluru
Bachelor of Engineering in Computer Science (Cyber Security)   Expected 2027
GPA: 8.80/10.0

TECHNICAL SKILLS

Languages: C++, JavaScript, TypeScript, Python
Frontend: React.js, Next.js, Tailwind CSS
Backend: Node.js, Express.js, Flask, Django
Databases: MongoDB, MySQL, Firebase
DevOps & Tools: Linux, Docker, Docker Compose, Git, GitHub

EXPERIENCE

Full Stack Developer Intern | Codtech IT Solutions Private Limited   Jan 2025 – Present

- Developing and maintaining full-stack web applications using modern technologies and frameworks.
- Collaborating with cross-functional teams to deliver scalable and efficient software solutions.
- Contributing to both frontend and backend development, ensuring seamless integration and optimal performance.

PROJECTS

MediPal | React.js, TailwindCSS, Node.js, Express, MongoDB, Gemini AI, Docker
GitHub | Demo

- Engineered a full-stack healthcare platform connecting patients with verified doctors, featuring appointment booking and Google Maps clinic navigation.
- Implemented secure medical records with encrypted storage and integrated Gemini AI-powered assistant for real-time health inquiries.
- Developed doctor dashboard with Two-Factor Authentication (2FA) for managing appointments and protecting sensitive data.
- Containerized the application using Docker and Docker Compose for consistent deployments and simplified scalability.

Aquagenesis | Python, Flask, TensorFlow, Scikit-learn, Docker, React, TailwindCSS
GitHub

- Developed backend system and integrated ML pipeline (RandomForest/CNN) for eDNA sequence classification.
- Implemented BLAST-based taxonomic refinement using NCBI Entrez to improve accuracy for novel sequences.
- Designed API endpoints supporting multiple formats (FASTA, CSV, TXT) with structured JSON outputs and confidence scores.

AI Interview | Python, Django, SQLLite, Next.js, TailwindCSS, PyTorch, Transformers, Scikit-learn, TTS, ChromaDB
GitHub

- Developed a scalable backend using Django, integrating advanced ML models (PyTorch, Transformers, Scikit-learn) for real-time interview question generation and evaluation.
- Implemented NLP and speech processing pipelines (spaCy, NLTK, TTS, librosa) to analyze candidate responses, supporting both text and audio formats.
- Designed RESTful APIs for seamless interaction with a Next.js frontend, leveraging ChromaDB for efficient data retrieval and sentence-transformers for semantic search.

Caliber-Cops | React.js, Node.js, Express, MongoDB, Chrome Extension
GitHub | Demo

- Created full-stack application and Chrome Extension for real-time detection of compromised emails and phishing URLs.
- Integrated multiple threat intelligence APIs to build a comprehensive backend threat analysis engine.
- Engineered Chrome Extension to automatically alert users of potential threats, enhancing their online security posture.

ACHIEVEMENTS

- **CodeChef:** Achieved **2-Star** rating with consistent participation in competitive programming contests, strengthening problem-solving skills and algorithmic thinking. Profile
- **LeetCode:** Solved **170+** DSA problems with consistent practice across core topics like arrays, trees, dynamic programming, graphs, and greedy, strengthening algorithmic thinking and coding speed. Profile