Vishnu Pandrangi

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Summary

AI and Data Science professional from Chaitanya Bharathi Institute of Technology (CBIT) with experience in machine learning, end-to-end AI application development and NLP. Skilled in data engineering and cloud-based deployment through AI-driven and full-stack internships and hackathons, notably winning 2nd place among 140+ teams in a national-level Hackathon. AWS Certified Cloud Practitioner; pursuing AWS Solutions Architect Associate. Also secured 1st place in the CBIT Annual Chess Finals, demonstrating strategic thinking and competitive drive.

Experience

AI Intern at Devorks Solutions Ltd. *Hyderabad, India (T-Hub)* June – July 2025

- Developed an AI-driven Recruitment Management System as a full-stack web application to automate and optimize end-to-end recruitment workflows.
- Designed and implemented the AI layer, including ATS score computation using NLP, resume parsing, and Gemini AI for both cloud-based and manual processing, improving candidate shortlisting efficiency
- Collaborated on core platform features such as dynamic job posting, secure candidate registration, automated interview scheduling, and data-driven candidate shortlisting.

Projects

CyberVault: Secure Personal Data Vault App *Won 2nd Place (140+ Teams) | ₹12K Cash Prize | National-Level |*

- Led a 3-member team to architect and deliver a production-grade encrypted storage system in a 36-hour national hackathon sprint, outperforming 140+ teams with a privacy-first security architecture built using Flutter.
- Engineered client-side AES-256-GCM encryption with biometric authentication, duress mode, and panic wipe capabilities, ensuring zero server-side data exposure and defending against real-world breach and coercion scenarios.

DocuMind AI: Multi-Domain RAG & Document Intelligence System

- Architected a Retrieval-Augmented Generation (RAG) application using Next.js 14, Node.js, and Gemini AI to enable intelligent querying across PDF, DOCX, and TXT documents.
- Designed a high-performance vector retrieval pipeline leveraging ChromaDB embeddings and domain-specific logic (Legal, Healthcare, Business) to ensure contextually accurate and secure AI responses.

NewsSense: AI-Powered News Intelligence & Bias Detection

- Built a MERN-stack news intelligence platform with Google Gemini AI, JWT-secured Node.js backend, and GNews/ NewsAPI integration for personalized article summarization, credibility scoring, and bias detection.

Skills

- **Programming & Tools:** Python, Java, SQL, R, JavaScript, HTML, CSS, Dart, Flutter, Git, GitHub
- **AI / ML & Data Science:** Machine Learning, NLP, RAG, Hugging Face, Google Gemini AI, Vector Embeddings, Scikit-learn, Pandas, NumPy, Matplotlib, Seaborn, Data Analysis, Web Scraping (BeautifulSoup, Regex)
- **Databases & Vector Stores:** MongoDB, MySQL, ChromaDB
- **Cloud & DevOps:** AWS (EC2, S3, IAM, RDS, Lambda, CloudWatch), GCP, JWT Authentication
- **Security & Cryptography:** AES-256-GCM, Client-Side Encryption, Secure Storage Architecture, Privacy-First Design
- **Core Concepts:** Data Structures and Algorithms fundamentals, System Design, Secure Application Architecture

Certifications / Achivements

- **AWS Certified Cloud Practitioner**; **AWS Solutions Architect – Associate (Scheduled)**
- Oracle Cloud Infrastructure 2025 AI Foundations Associate
- Salesforce Certified Agentforce Specialist
- Secured 1st Place in CBIT Annual Chess Finals (Chaitanya Kreeda)

Education

Chaitanya Bharathi Institute of Technology (CBIT), Hyderabad 2023 – 2027
B.Tech in Artificial Intelligence and Data Science *CGPA: 8.43/10.0*

- Relevant Courses: Data Structures, Machine Learning, Artificial Intelligence, Data Science, DBMS, OS, Computer Networks, Cloud Computing, IoT, Deep Learning
- Junior Developer in the CBIT Open Source Community Club (1 year)

Prosper High School, Texas, USA 2021 – 2023
Coursework: AP Computer Science, AP Calculus, 2D Animation, Video Game Design *GPA: 3.72/4.0*
Extracurriculars: Robotics Team Programmer, Computer Science and Math Club.