Om Bothre

✉ ombothre1024@gmail.com | ☎ 8291175243 | ● Mumbai, India | 🔗 LinkedIn | ⚙ Github | ⟨/⟩ Leetcode

EDUCATION

Bachelor of Technology in Computer Engineering — 08/2021 – 05/2025
Pillai College of Engineering - Specialization: Data Science and Language Processing — *New Panvel*
  − CGPA: 8.5/10.0

Higher Secondary Education — 06/2020 – 05/2021
Greenfingers Global School — *Kharghar*
  − Percentage: 81%

INTERNSHIPS

AI/ML Developer Intern — 12/2024 – Present
VSure Consultancy Pvt. Ltd. — *Navi Mumbai*
  − Migrated from no-code tools to Python-based custom automation solutions, leveraging LangGraph and PipeCat to deliver scalable systems.
  − Contributed to enterprise-grade multi-agent AI architecture development and implemented Linux-based SIP servers, resulting in voice-enabled customer service solutions that handled 200+ interactions.
  − Developed scalable RESTful APIs that integrate machine learning models with automation workflows, enhancing system performance through optimized data processing.

Python Developer Intern — 07/2024 – 10/2024
Oggangs Pvt. Ltd. — *Mumbai*
  − Architected high-performance Django APIs for backend systems, image processing, and audio-video streaming, achieving 30% faster processing speeds while establishing robust Linux server infrastructure using Docker for seamless deployment.
  − Designed and accelerated Python automation scripts with browser automation capabilities for efficient web scraping and data transformation, significantly streamlining organizational data extraction workflows.

PROJECTS

Check Legal - Final Year Project — 12/2024 – Present
DPDPA-Focused Privacy Policy Compliance System
  − Designed and deployed an end-to-end compliance verification system utilizing Next.js frontend and FastAPI backend, establishing automated validation processes for DPDPA regulatory requirements.
  − Advanced from BERT-based NLP models to fine-tuned Large Language Models (LLMs), automating compliance processes and reducing manual legal oversight requirements by 40%.
  − Created a policy generator framework with customizable templates that helps legal professionals ensure regulatory compliance while maintaining document integrity and validity.

Vayu - Google GenAI Exchange Hackathon Winner — 10/2024
AI-Based Mental Health Management Application for Students
  − Developed Pepo, an innovative AI conversational agent using natural language processing to provide personalized mental health support, reducing reported stress levels by 20%.
  − Integrated comprehensive wellness features including guided meditation, breathing exercises, music therapy, cognitive behavioral therapy assessments, and emergency response system, improving therapeutic guidance effectiveness by 40%.

VyavaSahayak - Bhashini Sprint 1.0 (Runner-Up) — 05/2024 – 06/2024
Multilingual Onboarding Solution
  − Created an automated translation system for e-commerce onboarding, reducing vendor integration time by 65% and supporting 8 regional Indian languages.
  − Built a real-time analytics dashboard that increased decision-making speed by 50% and provided visibility into onboarding metrics across 120+ transactions.

Drishti - Rajasthan Police Hackathon 1.0 Winner — 12/2023 – 01/2024
Camera Registration and Evidence Management System
  − Enhanced Q-Star's PERN (PostgreSQL, Express, React, Node.js) stack for camera registration and geotagging, increasing system efficiency and user adoption rates.
  − Implemented advanced computer vision algorithms for object detection and video tampering analysis on geo-tagged footage, reducing case resolution times by 25%.
  − Crafted an intuitive user interface optimized for law enforcement workflows, improving system usability and reducing training requirements by 35%.

SKILLS

Programming Languages: Python, C, Java, Dart, JavaScript, Object-Oriented Programming
Artificial Intelligence: Machine Learning, Deep Learning, Large Language Models (LLMs), MLOps
Web Development: MERN Stack, Django, FastAPI, SQL, NoSQL (Redis), API Integration
DevOps: Docker, Git Version Control, Linux (Ubuntu)
Data Structures and Algorithms: Competitive Programming (Hackerrank, Leetcode)
Soft Skills: Team Leadership, Cross-functional Collaboration, Strategic Marketing, Public Relations

ACHIEVEMENTS

Winner — Rajasthan Police Hackathon
Gold Medalist — Avishkar (State Level) & Anveshan (National Level) for Check Legal
Winner — Google GenAI Exchange Hackathon - Student Section
Runner-Up — Bhashini Sprint 1.0
Management Lead — Google Developer Community Education, PCE