Aditya Singh

Bangalore, Karnataka

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Experience

Nokia　　　　　　　　　　　　　　　　　　　　　　　　　　　　**Bengaluru, Karnataka**
Project Intern　　　　　　　　　　　　　　　　　　　　　　　*April 2025 – September 2025*

- Developed an Industrial OT Text Dataset for LLM fine-tuning, covering industrial documents, product guides, service manuals, and standards across networks, manufacturing, logistics, mining, and related verticals.
- Applied Python programming and Large Language Model Operations (LLMOps) to preprocess, clean, and structure large-scale textual datasets.

SWE Intern　　　　　　　　　　　　　　　　　　　　　　　　　*September 2025 – Present*

- Contributing to CNCF Kubernetes focusing on cloud-native deployments, container orchestration, and open-source ecosystem integration.
- Assisting in developing scalable, distributed solutions leveraging Kubernetes and related CNCF projects for industrial and enterprise use cases.

Skills

Languages: C++, Python, Java, LaTeX, SQL
Software: Large Language Models (LLMs), Hugging Face Transformers, Dataset Curation, CleanText, Docling, Android SDK, wxWidgets, Kaggle, Google Colab, Visual Studio Code, JetBrains Fleet, Eclipse

Projects

Face Aging Using CGANs　　　　　　　　　　　　　　　　　　　　　　**Kaggle Link**
Bronze Medal @ Kaggle　　　　　　　　　　　　　　　　　　　　　　*Feb 2025 – Apr 2025*

- Designed a Conditional GAN pipeline to generate aged versions of children's faces for dataset augmentation and research.
- Achieved stable convergence (Generator Loss: 5.93, Discriminator Loss: 0.008) over 50 epochs.
- **Tech Stack:** Python, CGANs, Kaggle, GPU T4.

CarGoPlus — Car Rental Management System　　　　　　　　　　　　　　**Github Link**
Academic Project　　　　　　　　　　　　　　　　　　　　　　　*Sep 2024 – Dec 2024*

- Developed a car rental management system with a GUI in C++ using **wxWidgets**, integrated with a **MySQL** backend.
- Implemented native desktop UI with event-driven programming for an enhanced user experience.
- **Tech Stack:** C++, wxWidgets, MySQL, Visual Studio

Technical Achievements

Sandbox 2025 Cybersecurity Hackathon — *Top 10 Finalist* (March 1–2, 2025)　　　Certificate

- Developed **NeuralSentinel**: Deepfake Detection and Watermarking.

Education

Dayananda Sagar College of Engineering (DSCE)　　　　　　　　　**Bangalore, Karnataka**
B.E. Information Science and Engineering (**Grade:** 9.30/10.00)　　　　　*Nov 2022 – Present*

Army Public School (APS)　　　　　　　　　　　　　　　　**Bhopal, Madhya Pradesh**
Higher Secondary Certificate (HSC), Physics, Chemistry, Mathematics (PCM) (**Grade:** 96.4%)　*Mar 2020 – Jul 2021*
Secondary School Certificate (SSC), General Curriculum (CBSE) (**Grade:** 90.6%)　*Feb 2018 – Mar 2019*