Nipun Chandra

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Education

Netaji Subhas University of Technology *Dec 2020 - Jun 2024*
B.Tech in Computer Science and Engineering (Artificial Intelligence)

- Relevant coursework: DSA, Operating Systems, DBMS, Web-Technology, COA, Artificial Intelligence.

Experience

Analyst *Delhi, India*
KDS Services Private Limited *Feb 2025 - Present*

- Generated compliant proposal content using LLMs, cutting drafting time by **60%** and improving overall accuracy.
- Spearheaded the technical design and implementation of performance tracking tools utilizing Python 3.13.3 (NumPy, Beautiful Soup) and SQL, directly contributing to a **20%** increase in competitive win rates.

Cyber Security Intern *Delhi, India*
Centre For Development of Advanced Computing *Sep 2024 - Nov 2024*

- Planned and executed security assessments across 3 environments using Wireshark 4.4.5, Kali Linux etc focusing on penetration testing and VA configuration.
- Optimized RDP/VPN systems, reducing connectivity issues by **30%** and improving efficiency for 15+ remote users.

Research Intern *Delhi, India*
Bharat Electronics Limited *May 2023 - Jul 2023*

- Analyzed **100,000+** lines of data using NumPy and Pandas to optimize model training; applied ML/DL techniques, achieving **96%** accuracy with Decision Trees and **86%** with ANNs.
- Developed a custom GUI from scratch using Streamlit 1.24.0 to monitor and manage **100+** autonomous vehicles, allowing for monitoring and efficient response to anomalies.

Projects

JobSwipe *GitHub* ↗

- Engineered JobSwipe, an AI-driven job platform that aggregates listings from **3+** sources, delivers personalized matches using **GPT-4o**, and boosts application success with resume and interview optimization tools.
- Cursor, React, TypeScript, PostgreSQL, GPT-4o

Next-Generation Agent *GitHub* ↗

- Enhanced a case management system powered by integrating GPT-4o, featuring a Flask-PostgreSQL UI for **10+** case fields, **5** core modules, AI-driven markdown insights, and live multi-case updates.
- Generative AI, Large Language Models (GPT-4o), Python, Flask, RESTful APIs, PostgreSQL

Alzheimer's Disease Detection (ALHZY) *GitHub* ↗

- Crafted ALHZY for medical professionals to use in low-resource clinics with real-time inference platform, using TensorFlow and EfficientNetB3, achieving **95.7%** accuracy and reducing computational complexity by **20%** compared to traditional models on a curated dataset of **5,000+** medical images.
- Deep Learning, TensorFlow, EfficientNetB3, Computer Vision, Python, Pandas, NumPy, Medical Imaging, Model Optimization

Diabetic Retinopathy Detection *Report* ↗

- Designed a deep learning-based CNN model using TensorFlow and Python for diabetic retinopathy detection from retinal fundus images, achieving **93.45%** accuracy and **0.468** cross-entropy loss on a dataset of **2,562** training and **550** validation images.
- TensorFlow, Convolutional Neural Networks (CNNs), Deep Learning, Computer Vision, Python, Pandas, Medical Imaging

Skills

Programming Languages: C/C++, Python, SQL, HTML, CSS - Familiar with JavaScript, Bash/Shell Scripting

Developer Tools: GPT, BERT, Claude, LlamaIndex, Git, Salesforce, PostgreSQL, Cursor, Kali Linux, Wireshark

Technologies: RAG, Fine-Tuning LLMs, Generative AI, Cloud, AI Agents, REST APIs, Familiar with Google Analytics

Framework/Libraries: TensorFlow, Flask, Scikit-learn, PyTorch, NumPy, Pandas, LangChain

Achievements

Discord Nation Alpha *Delhi, India*
Jun 2020 - Sept 2023

- Co-founded and scaled a digital community from 0 to 100+ content creators, leading a team of 15 moderators and boosting user retention by **50%** through targeted analytics marketing strategies and scalable automation and workflows.