ADITYA KABRA

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EDUCATION

Netaji Subhas University of Technology	Delhi, India
B. Tech Computer Science and Engineering (8.09 CGPA)	May 2025

Relevant Coursework**:** Operating Systems, Data Structures and Algorithms, Networking, OOPS

Indian School Muscat	Muscat, Oman
Grade 12 CBSE (94%)	April 2021

Billabong High International School	Mumbai, India
Grade 10 CBSE (95.8%)	April 2019

EXPERIENCE

Software Engineering Intern, LTIMindtree   May 2024 - July 2024
- Engineered an AI-powered NL to SQL chatbot using Gen AI and natural language processing (NLP), improving information retrieval and expanding the **non-technical user base by 50%.**
- Delivered real-time analytics features across 7+ PostgreSQL database tables, expediting decision-making and reducing **manual data extraction by 60%**.
- Leveraged **NextJs, Tailwind CSS, Axios, Python Flask, PostgreSQL, and Google Gemini LLM**.

SKILLS

Languages: JAVA, Python, C++, JavaScript,
Frameworks: NodeJs, ReactJs, NextJs, ExpressJs, Tensorflow, CSS Bootstrap.
Developer tools: MongoDB, MySQL, PostgreSQL, GitHub, Windows, Linux.

PROJECTS

Hush Smart Cradle   *C++, Arduino IDE*
- Constructed a smart cradle system using C++ and Arduino IDE, connecting 4 sensors for motion, humidity, temperature, live video feed, and bed wetness detection.
- Integrated a mobile app using Blynk for real-time monitoring, **reducing manual checks by 90%**.

Credit Card Fraud Detection   *Python, TensorFlow*
- Optimized a machine learning model with **Python and TensorFlow**, experimenting with 6 different models for detecting credit card fraud.
- Achieved **92% accuracy**, minimizing false positives and enhancing fraud detection.

Yelpcamp (GitHub Link)   *HTML, Bootstrap CSS, JavaScript, NodeJs, ExpressJs, MongoDB Atlas*
- Deployed Yelpcamp, a responsive campground listing platform enabling users to upload and manage up to 10 campgrounds.
- Integrated interactive maps for geolocation and secure user authentication, allowing users to create, rate, and manage listings, generating 10 user reviews.
- Structured the codebase using the MVC architecture and developed REST APIs to handle daily requests, improving client-server communication **efficiency by 30%**.

Chatwork (GitHub Link)   *HTML, CSS, NodeJs, Express and Socket io*
- Built Chatwork, a real-time communication platform based on websockets with chat rooms categorized into 5+ engineering branches to improve collaboration and knowledge sharing.

ACHIEVEMENTS

- Secured 100% sponsorship for the IoT Smart Cradle project, outperforming 25 teams.
- Ranked in the top 1% as a semi-finalist in Flipkart's GRID 5.0 challenge, among 100,000+ participants.
- Junior Executive at CodeChef NSUT Chapter: Authored 10+ editorials on medium to hard-level problems, detailing brute-force and optimized approaches.

CERTIFICATIONS

- Fundamentals of Deep Learning - **NVIDIA:** Covered core principles and techniques of deep learning.
- Web Developer Bootcamp - **UDEMY:** Gained knowledge across frontend and backend technologies.