ARNAV SHARMA
Computer Science and Engineering

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Prospective Computer Science Engineer. Strong Passion and work in AI, Robotics, and problem-solving with notable achievements. Proficient in Python, with experience in Java, C, Full Stack etc. Beyond tech, a FIDE-rated chess player and an avid table tennis enthusiast. Skilled in Management.

Education

- **The National Institute of Engineering, Mysuru**   **Sep 2023 - Sep 2027**
  Bachelor of Engineering in Computer Science and Engineering
- **Salwan Public School, Mayur Vihar, Delhi**   **Apr 2021 - Mar 2023**
  High School Certificate in Science with CS

Core Skills

Languages and Development Tools: Python, JAVA, HTML, CSS, JavaScript, TypeScript Markdown
Tools: Unix, Version Control System (Git), REST APIs
Data Analytics and AI: NumPy, Pandas, Matplotlib, TensorFlow, LLM Training, Jupyter, Langchain
Databases: SQL/NoSQL, MySQL, PostgreSQL, MongoDB
Python Packages: Django, Tkinter, Langchain BeautifulSoup, Pyttsx3, Pymysql
Framework and Libraries: React JS, Bootstrap, Next.js, Node.js, Tailwind CSS,
DevOps: Jenkins, GitHub Actions, Docker
Additional: Problem Solving, Competitive Programming, Effective Communication, Team Management

Experience

- ***Computer Society Tech Lead at* NIE IEEE Student Branch**   **May 2024 - Dec 2024**
  - Lead the Computer Society of 90+ members while being a part of Executive Committee at NISB.
  - Organized multiple technical events, including the flagship event Rubix 2024.
  - Actively participated and won in events like IEEE Xtreme, Ankura, CodeMaze, Adroit, etc.
- ***Member at* Robotics Club**   **Nov 2023 - Jan 2025**
  - Volunteered at Roborikishi, guiding over 100 school students in Mysuru about Robotics and Arduino.
  - Worked with robotic equipment and Arduino and participated in robotics competitions, including Enigma-24 at Malnad College of Engineering, Hassan.

Projects

Patient Care Application   **Apr 2025 - May 2025**
- Built a secure web app for efficient patient record management and analytics for clinics.
- Integrated WhatsApp e-receipts via Twilio for automated patient notifications.
- Developed with React, TypeScript, Tailwind CSS (frontend) and Node.js, Express, MySQL (backend).
- Crafted elegant data visualizations and dynamic stats for clear patient insights.
  https://github.com/ArnavSharma2908/patient-palace-radiant-care

Delhi Metro Transit Corporation and ChatBot   **Oct 2022 - Jan 2023**
- Developed a Python-based metro guide providing route details, fare estimates, and travel times across about 230 stations using Matplotlib for mapping and MySQL for data storage.
- Incorporated METROBOT, an AI chatbot, for user queries and assistance.
  github.com/ArnavSharma2908/Delhi-Metro-Transit-Corporation-and-Chatbot

Achievements

2nd Position at CP (Competitive Programming) Potpourri, Shaastra Fest   Jan 2025
Issued By: Indian Institute of Technology, Madras
Competed against the brightest minds nationwide and secured second place in the CP (Competitive Programming) Potpurri event at Shaastra '25 Techfest held at IIT Madras.