

Aditya Kumar Singh

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Education

B.E. in Computer Science and Engineering
VISVESVARAYA TECHNOLOGICAL UNIVERSITY
Sir M. Visvesvaraya Institute of Technology

Bangalore, Karnataka | Dec 2022 – Present

CGPA: 9.1/10

Work Experience

Concurrence AI
Intern

Bangalore, IN
July 2024 – March 2025

- Contributed to a Singapore-based Web3 company, helping them fetch and analyze security audit reports from the **top 100 auditing companies**, dealing with more than **5000 reports daily** and **utilizing AI** to extract meaningful statistics and information.
- Worked in **large-scale data extraction** operation across **1.4 million postcodes**, including **26 million** housing prices, **240k** property listings and **2.1 million** development proposals for a UK Based Real Estate startup.
- Developed **multilingual** news scraping pipeline, building **10+ web scrapers** using a class-based approach to extract structured metadata from sources in **5+ languages**.
- Formulated **50+** structured **XML queries** to retrieve key product data, significantly improving the accuracy and efficiency of web scraping workflows.

Projects

QUICK AI

NODE.JS, REACT, TAILWINDCSS, OPENAI, POSTGRESQL, CLERK

A full-stack AI SaaS platform for seamless image generation, content writing, and resume optimization.

- Integrated advanced AI features including article/blog generation, background and object removal, AI-powered resume feedback, and high-quality image synthesis and developed a responsive, user-friendly UI with React and TailwindCSS, delivering a polished and intuitive user experience across devices.

NETWORK INTRUSION DETECTION USING CNN

PYTHON, TENSORFLOW, SCIKIT-LEARN, STREAMLIT

A Streamlit-based app to detect network intrusions using a CNN on the NSL-KDD dataset.

- Developed a Streamlit-based CNN model for real-time intrusion detection on the NSL-KDD dataset, achieving **82.24%** test accuracy with interactive visualizations and live traffic classification.

CHAT APP

WEBSOCKETS, SOCKET.IO, JAVASCRIPT

A real-time web chat application for instant collaborative conversations.

- Supports multiple users in dynamic chat rooms and displays active rooms and currently online users. Enables seamless real-time messaging with WebSockets and Socket.IO.

Skills

- Languages:** C, C++, Python
- Web Development:** React, JavaScript, HTML/CSS
- Libraries:** Request, Selector, Fake-Useragent, NumPy, Pandas
- Tools/Technologies:** Git, Github, VS Code, Postman, Render
- Relevant Coursework:** Computer Networks, DBMS, Operating System, DevOps

Positions of Responsibility

- Leading as Vice President of SMVIT DEBSOC (Debating Society).
- Active Member of MVIT Quillz (Quiz Club).

Achievements

- Achieved **Runner-up** position in the Alter Ego'24 competition at CMRIT, Bengaluru.
- Served as an adjudicator in **Octo Finals** at the Agonia Parliamentary Debate, an international competition with over 100+ teams.