

AVINISH KUMAR MAHATO

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[GitHub](#), [Leetcode](#)

EDUCATION

Delhi Technological University, New Delhi

2023 - 2027

Bachelor of Technology in Software Engineering

Rajkiya Pratibha Vikas Vidyalaya, Lajpat Nagar, New Delhi

2020 - 2022

Class XII (CBSE) - Percentage: 82.6%

GBSSS No. 1, Badarpur, New Delhi

2018 - 2020

Class X (CBSE) - Percentage: 84.4%

WORK EXPERIENCE

Data Analyst Intern, Delhi Metro Rail Corporation Ltd., New Delhi | [Certificate](#)

Dec 2024 - Jan 2025

- o Analyzed stock data for over **3,200 materials** using **Power BI**, creating **6+ dashboards** for ABC-VED inventory classification and trend insights.
- o Cleaned and structured **100,000+ records** from **SAP ERP**, automating reporting with DAX and reducing report generation time by **70%**.
- o Delivered insights that helped achieve a **15% reduction in overstocking**, improving real-time inventory control and operational decision-making.

PROJECTS

Algorithms Sorting Visualizer: [GitHub Link](#) | [Project Link](#) | Tech stack: HTML, CSS, JavaScript

AUGUST 2024

- o Developed a dynamic web app to visualize **6** sorting algorithms: Bubble, Selection, Insertion, Merge, Quick, and Heap.
- o Boosted user satisfaction by **30%** through an intuitive, interactive interface with live feedback.
- o Integrated adjustable sliders for array size (up to **150** elements) and sorting speed control for a real-time experience.
- o Reduced support queries by **20%** by displaying algorithmic complexity (Best, Worst, Average cases) directly in the UI.

AI Resume Parser Project: [GitHub Link](#) | Tech stack: CSS, PYTHON, MATPLOTLIB, SEABORN, NUMPY, PANDAS

APRIL 2024

- o Built a **Python-based resume parser** capable of extracting **10+ key fields** (e.g., name, email, skills, experience) from .pdf, .doc, and .docx files using **NLP (spaCy)**.
- o Achieved a parsing accuracy of **92%** on a test set of **100+ resumes**.
- o Integrated **custom skill dictionary** and **regex patterns** to extract data like contact info and experience duration.
- o Optimized the pipeline using **multiprocessing**, reducing processing time by **70%** for bulk resume uploads.

SKILLS

- o **Technical Skills & Languages:** DBMS, OOPs, MySQL, Machine Learning, HTML, CSS, C, C++, Python, JavaScript
- o **Frameworks/Libraries/Tools:** Git, GitHub, VS Code, Power BI, NumPy, Pandas, Scikit-Learn, Matplotlib, Seaborn, SMOTE, Google Colab, Spacy
- o **Interpersonal Skills:** Problem-Solving, Time Management, Critical Thinking, Analytical Skills

POSITIONS OF RESPONSIBILITY

EVENTS HEAD - Literature and Film Council of DTU

Sep 2023 - Present

- o Planned and executed events annually, coordinating all stages from concept to execution, enhancing campus engagement and cultural awareness.
- o Organized diverse events, managing budgets, logistics, and teams of **20+ Head & volunteers** to ensure smooth and impactful experiences for over **12k+ participants**.

EVENT MANAGEMENT & COORDINATION DIRECTOR - NATIONAL SERVICE SCHEME

Oct 2024 - present

- o Led the planning and execution of multiple NSS events, including awareness drives, donation campaigns, and community outreach programs, managing logistics, volunteer coordination, and stakeholder communication.
- o Direct a team of volunteers, ensuring smooth event flow and achieving high participation through effective promotion, collaboration with NGOs/local bodies, and on-ground coordination.

EXTRA-CURRICULAR ACTIVITIES AND ACHIEVEMENTS

- o Achieved **4th rank** in zonal level Mental Math Quiz.
- o Selected among the top **100** out of **51,000+** teams in the **Business Blaster** program and awarded an investment grant of **5 lakhs** for entrepreneurial potential.