

# D ARUN KUMAR

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**GitHub:** [www.github.com/kumardarun11](https://www.github.com/kumardarun11)  
**Portfolio:** [Link to my portfolio](#)  
**Address:** Durgapur, West Bengal, India - 713213

## Technical Skills

- Core Programming Languages:** C, C++, Python, Java
- Python Libraries:** NumPy, Pandas, Matplotlib, Plotly.express, Streamlit
- Web Technologies:** HTML, CSS, JavaScript, PHP, SQL
- JavaScript Libraries:** React.js, Node.js
- Databases:** MySQL, SQL
- IDEs & Tools:** VS Code, Jupyter Lab, Excel, Power BI
- Operating Systems:** Windows, Linux
- Soft Skills:** Problem Solving, Analytical Thinking, Team Collaboration, Time Management

## Work Experience

- Google Android Developer Virtual Internship
- Palo Alto Cybersecurity Virtual Internship
- Google AI-ML Virtual Internship

## Certifications

- AWS Academy Graduate - AWS Academy Cloud Foundations
- IBM SkillsBuild - Getting Started with Artificial Intelligence
- HackerRank – Frontend (React) Developer
- HackerRank – SQL (Intermediate)

## Professional Interests

- Data Science and Analytics
- Artificial Intelligence and Machine Learning
- Web Development
- Cybersecurity

## Additional Information

- Languages:** English, Telugu, Hindi, Bengali
- Personal Interests:** Newspaper Reading, Book Reading, Painting

## Professional Summary

Dedicated and motivated Computer Science Engineering student with a strong foundation in programming, algorithms, and software development. Seeking an entry-level position or internship to apply my knowledge and contribute to the growth and success of an innovative organization.

## Education

|  |                    |
|--|--------------------|
| <b>Secondary Education (10th Grade)</b>                                    | 2020               |
| Guru Teg Bahadur Public School, Durgapur, West Bengal<br>Percentage: 83.4% |                    |
| <b>Senior Secondary Education (12th Grade)</b>                             | 2022               |
| Guru Teg Bahadur Public School, Durgapur, West Bengal<br>Percentage: 72.2% |                    |
| <b>Bachelor of Technology in Computer Science Engineering</b>              | 2026<br>(Expected) |
| Techno India University, Kolkata, West Bengal<br>CGPA (till Sem 4): 7.34   |                    |

## Projects

**[Interactive Data Dashboard](#)** *Individual*  
**Description:** Designed an interactive dashboard using Excel, Python (Pandas, Plotly), and SQL to analyse sales trends and automate reporting. ([Live Demo](#))

### Key Features:

- Interactive charts and graphs for data visualization
- SQL-based data extraction and preprocessing
- Automated reporting with Python scripts

**[Library Management System](#)** *Individual*  
**Description:** Developed a web-based system for efficient book management using HTML, CSS, JavaScript, PHP, and MySQL.

### Key Features:

- User authentication and role-based access control
- Search and filter functionality for books
- Real-time inventory tracking for borrowing and returns

**[YouTube Trending Video Analysis with Dashboard](#)** *Individual*  
**Description:** Developed an interactive web-based dashboard using Streamlit, Python (Pandas, Matplotlib, Plotly), and YouTube API to analyze trending videos, engagement metrics, and comment sentiment. Leveraged AI tools for automation and data processing, enhancing efficiency and insights. ([Live Demo](#))

### Key Features:

- Trending & Engagement Analysis** – Tracks views, likes, comments, and engagement rates.
- Sentiment & Visualization** – Analyzes comment sentiment with NLP and visualizes data using charts & word clouds.
- Real-time Search & Reporting** – Enables keyword-based video search and CSV export for insights.

## Extracurricular Activities

### [Smart India Hackathon - 2024](#)

- Collaborated with a team of 6 members to develop a solution for Heritage & Culture.
- Utilized HTML, CSS & JS to design and implement the solution.
- Gained experience in problem-solving, teamwork, and applying technical knowledge to real-world challenges. ([Live Demo](#))