

# Aditya Kumar

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## OBJECTIVE

Ambitious and detail-oriented engineering student, seeking to leverage development and programming skills in a challenging role. Passionate about creating innovative solutions and improving experiences through technology. Committed to continuous learning and contributing effectively to team projects in a dynamic environment.

## EDUCATION

- BMS College of Engineering** Bengaluru, India  
Bachelor of Engineering - Computer Science; GPA: 8.21  
Nov 2022 - Jun 2026
- Vidya Sanskar School** Patna, India  
PCM; Percentage: 75.2  
April 2019 - Jun 2021
- Literati Public School** Gaya, India  
Metriculation; Percentage: 92.4  
April 2018 - Mar 2019

## SKILLS SUMMARY

- Languages:** C, C++, JavaScript, HTML5, CSS3
- Frameworks:** Bootstrap, Tailwind, jQuery, EJS, React.js
- Tools:** GIT, GitHub, VS Code, MySQL, Android Studio, MongoDB, MS Office, Solid Edge, StarUML
- DataBases:** MongoDB, Firebase, SQL
- Coursework:** Data Structures and Algorithms, OOPs, Operating Systems, DBMS, Computer Networks
- Platforms:** Linux, Web, Windows
- Soft Skills:** Leadership, Team Work, Adaptability, Public Speaking, Time Management

## EXPERIENCE

- Samsung PRISM** Virtual  
Project Intern March 2025- Present  
Working as a Research Intern under Samsung PRISM on 'Human Motion Estimation using Physics-Guided Diffusion Models', developing transformer-based architectures for generating realistic 3D motion sequences.

## PROJECTS

- Typizy-Dynamic Typing Challenge Platform:** Developed an interactive web-based application to enhance typing speed and accuracy using randomized quotes fetched from an API. The application tracks real-time performance, including words per minute (WPM), mistakes, and accuracy, while offering a gamified user experience with animations and restart functionality.
- Seamless Personal Finance Tracker for Budgeting and Expense Management:** Developed a personalized finance tracker web app using JavaScript for dynamic user interactions. Integrated Chakra UI for responsive, accessible, and visually appealing components, while utilizing HTML and CSS for custom styling. Implemented features like income/expense tracking, data visualization with charts.
- Gender Bias Detection and Analysis:** Developed a web-based gender bias analysis system using Flask (Python), HTML, CSS, and JavaScript, allowing users to upload workforce CSV files and automatically generate interactive visualizations (matplotlib, seaborn) to detect gender disparities, using Random Forest and SVM for ML-based classification.
- SWAAD:** Developed a full-stack online food delivery website using HTML, CSS, JavaScript, and MERN stack with user authentication, order placement, and Razorpay payment gateway integration. Integrated Google Maps API for location services and applied modern styling frameworks for an enhanced user experience.

## CERTIFICATIONS

- AWS Educate Introduction to Cloud 101 - Amazon Web Services
- Career Essentials In Generative AI - LinkedIn & Microsoft
- Responsive Web Design - freeCodeCamp
- Google AI Essentials - Coursera
- SQL (basic) - HackerRank

## ORGANISATIONS

- NSS Unit Of BMSCE : Participated in community services like NGO support, walkathons, Plantations, Cleanathon and Cancer Awareness.

## AREA OF INTEREST

- Web Development and UI Design.
- Artificial Intelligence and Machine Learning.
- Data Analysis.
- Database Management and SQL.