

Aditya Kumar

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SUMMARY

Enthusiastic and versatile B.Tech 3rd year student with a passion for software development. Core team member of [Google Developer Group](#), active [WIKI contributor](#), Java developer, and AI/ML enthusiast. Proficient in team management, graphic design, and serving as a [college ambassador](#).

[My Portfolio](#)

EXPERIENCE

Summer Training & Internship (Artificial Intelligence & Robotics)

IIIT Allahabad

26 June, 2024 - 6 Aug, 2024

- Gained in-depth knowledge about various activation functions and their importance in neural networks.
- Built multiple models based on supervised and unsupervised learning techniques.
- Conducted CIR lab experiments to enhance practical understanding.
- Trained a model capable of object differentiation.
- Developed a face detection model, showcasing applied skills in AI and robotics.

Mentor

WIKIClub Tech UIT

May 2024 - Current

- Contributed to Wikimedia by identifying and resolving several bugs, enhancing the platform's stability and user experience.
- Assisted and educated individuals on how to effectively contribute to Wikimedia projects, fostering a more knowledgeable and active community.

Volunteer

DevFest Prayagraj

Dec 2023 - Current, Prayagraj

- Assisted in organizing one of the largest developer conferences, ensuring smooth event execution.
- Coordinated speaker sessions, workshop setups, and networking activities to enhance the developer experience.
- Engaged with the community by handling Q&A sessions, social media promotions, and event outreach.

Core Team

GDG & TFUG Prayagraj

Aug 2023 - Current, Prayagraj

- Had the fortune to be part of GDG and TFUG Prayagraj, which enriched my experience and allowed me to learn many new things.
- Organized multiple events and workshops as a core team member, contributing to the growth and engagement of the community.
- Designed promotional posters and event materials using Adobe Photoshop, Blender, Figma, and Canva.
- Conducted hands-on workshops to provide practical experience to participants, fostering skill development within the community.

PROJECTS

Real Estate Website | *Next.js, NextAuth, State Management, MongoDB*

- Developed a **full-stack real estate platform** that allows users to browse, list, and manage properties
- Implemented **NextAuth** for secure authentication and role-based access.
- Used **State Management** to efficiently handle user interactions and data flow.
- Integrated **MongoDB** for scalable and fast data storage.

🔗 [GitHub Repository](#)

Indic-wsstats Tool | *Python, MySQL, SQLAlchemy, Flask*

- Developed a **database-backed statistics tool** for Wikisource contributors, replacing the previous JSON-based storage system.
- Migrated **stats.json** to **MySQL** for improved durability and query efficiency.
- Used **Flask and SQLAlchemy** to automatically initialize database tables and enable structured queries.
- Collaborated with **Mentor Jay Prakash** as a developer to enhance the tool's reliability and scalability.

🔗 [GitHub Repository](#) | [Live Demo](#)

Face Mask Detection Model | *Deep Learning, OpenCV, TensorFlow*

- Built a **real-time face mask detection system** using deep learning techniques.
- Utilized **CNN (Convolutional Neural Networks)** to classify images as "Mask" or "No Mask" with high accuracy.
- Integrated **OpenCV** for real-time video processing and detection.
- Trained the model on a diverse dataset to improve detection in different lighting and angles.

🔗 [GitHub Repository](#) | [Live Demo](#)

SMS Ham-Spam Classifier | *NLP, Machine Learning, Scikit-learn*

- Created a **spam detection model** to classify SMS messages as **ham (legitimate)** or **spam**.
- Used **Natural Language Processing (NLP)** techniques like tokenization, TF-IDF, and stopword removal.
- Trained with Scikit-learn's Naive Bayes classifier, achieving high accuracy in SMS classification.
- Built a simple UI to allow users to test SMS messages in real time.

🔗 [GitHub Repository](#) | [Live Demo](#)

EDUCATION

Bachelor of Technology (B.Tech) in Computer Science & Engineering

Sam Higginbottom University of Agriculture, Technology & Sciences (SHUATS), Prayagraj
2022 – 2026

Senior Secondary Education (Class 12) – Science Stream

A.N. College, Patna
2021

Secondary Education (Class 10) – CBSE

M.S Memorial Public School, Motihari
2019 | Scored 85%

SKILLS

Languages: Java, Python, C, JavaScript, SQL, HTML/CSS

Version Control & Development Tools: Git, GitHub, GitLab, Gerrit, Phabricator

Frameworks: Flutter, React, Django, Flask

Databases: MySQL, PostgreSQL, MongoDB, Oracle DB

Technologies: MediaWiki, ReactJS, Django, Flask, Docker, CI/CD