

Aayush Kumar

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[LinkedIn Profile](#) | [GitHub](#)

Summary

Enthusiastic and **detail-oriented learner with a passion for technology, software development, and problem-solving**. Interested in IoT, web development, and machine learning, with **hands-on experience in building responsive websites and real-time data processing systems**. Always eager to explore new technologies, improve coding skills, and work on innovative projects. A proactive team player with a strong commitment to learning and growth in the field of computer science and engineering.

Education

Gyan Mandir Public School, Schooling

April 2007 – March 2023

- 10th Grades: 89%
- 12th Grades: 76%

SRM Institute of Science and Technology, B.Tech in Computer Science and Engineering

May 2023 – June 2027

- GPA: 9.21/10.0 (till 3rd sem)

Experience

Marketing Associate , Winzera Pvt. Ltd. – Chennai

Aug 2023 - Jan 2024

- Associate Member at a Startup
- Event Participation and Soft Skills Development: Actively participated in **networking events**, business meetings, and workshops to **improve interpersonal communication, negotiation, and presentation skills**.
- Delve deep into **LLMs, B2B, B2C** and various business transactions. Gained hands-on experience in network marketing, focusing on B2B and B2C transactions.
- Worked with Professionals to get a clear understanding of Industries and how a Startup works
- Network Marketing Role: Focused on **expanding customer reach** and promoting company products/services by building strong relationships and using **direct marketing strategies**.

EduSkills Virtual Intern, Google for Developers – Remote

April 2024 - June 2024

- Completed hands-on projects in **image classification, object detection, and product image search** using **Google's ML Kit and Vision API**.
- **Earned multiple badges** for successfully completing tasks related to image classification, object detection, and Vision API product search.
- Worked on **back-end development for Vision API Product Search**, implementing AI-powered image recognition.
- Enhanced skills in **computer vision, deep learning, and mobile AI integration**, applying **Google Cloud and TensorFlow technologies**.

Product Design Virtual Participant, Accenture, Forage – Remote

June 2024

- Company Overview: Accenture North America Product Design virtual experience program
- Completed a **simulation focused on how the Product Design team can transform a user's experience**
- **Added a new feature** and iterated on an existing product screen
- Communicated the decisions made for the feature design
- Accenture North America Product Design virtual experience program

- Proposed a **new feature for Sims 4** and **wrote a Feature Proposal** describing it to other stakeholders.
- We **built a class diagram** and created a header file in C++ with class definitions for each object.
- Patched a bugfix and optimized the **Sims 4 codebase** by implementing an improved data structure.

Projects

VibeOut: AI Fitness App

GitHub

- Emotion-Based AI Integration: Leveraged AI for **real-time emotion detection through facial recognition and voice analysis**
- Data-Driven Personalization: Machine learning models adapt to individual emotional and workout patterns, enhancing the user experience over time.

Project- OnBoardX

GitHub

- Developed an **IoT-based vehicle monitoring system** using **ESP32, Raspberry Pi, Firebase, FastAPI, Flask, and ML** for real-time tracking and safety.
- Implemented **real-time data collection and processing, storing** acceleration and velocity in Firebase and visualizing insights via React and Flask.
- Integrated speed/accident alerts using **EmailJS/Twilio**, notifying drivers and emergency contacts in critical situations.
- Automated **emergency response system**, alerting hospitals, ambulances, and fire stations upon accident detection.

Deepfake Detection

GitHub

- AI-Powered Deepfake Detection: Developed an application capable of detecting deepfake videos by leveraging machine learning algorithms
- FastAPI Backend: Implemented FastAPI as the backend framework to handle API requests efficiently and support real-time detection processing.

DeadRun - ZombieEscape

GitHub

- Developed interactive treasure hunt visualization in React showcasing **DFS, BFS, and A* algorithms**.
- Implemented **priority queue** and **graph traversal techniques** with responsive step-by-step animation.
- Built dynamic grid system with configurable parameters and **real-time performance analytics** dashboard.
- Leveraged React hooks for state management with Tailwind CSS for responsive design.

Frontend Website Replication with Responsive Design

GitHub

- Developed multiple responsive website clones, including a **Netflix clone**, using HTML, CSS, and **@media queries** for adaptability across different screen sizes.
- Implemented mobile-first design principles to ensure a seamless user experience on various devices.
- Utilized **CSS Flexbox and Grid** to create structured and scalable layouts for responsiveness.
- Integrated hover effects, transitions, and animations to enhance UI interactivity.
- Followed clean and modular code practices, making the projects easy to maintain and scale.

Generic Medicine Substitute Finder

GitHub

- Developed a **Generic Medicine Finder** using **Java Swing and MySQL**, enabling users to find affordable alternatives to branded medicines.
- Designed an interactive Java Swing UI for easy search, retrieval, and display of medicine details from the MySQL database.
- Implemented search and filtering features to fetch generic medicine alternatives based on user input.
- Ensured efficient database management with optimized **SQL queries** for fast and accurate data retrieval.

Skills and Tech-Stacks

OS: Windows, MacOS, Ubuntu

Languages: C++, C programming, Java, Object-Oriented programming, JavaScript, ReactJS, Python, HTML, CSS, TailwindCSS

Backend and Database: MySQL, Flask, Firebase, FastAPI, TensorFlow

Tools: Replit, VSCode, Pycharm, PythonIDLE, Webstrom, Figma, Git, GitHub, Eclipse, IntelliJ

Skills: Code Analysis, Critical Thinking, UI/UX Design, Leadership

Extracurricular Activities

TPHxSRMIST, Creatives Team Lead- SRM

- Led creative direction for projects involving graphic design.
- Contributed to seamless operational processes through effective teamwork.
- Ensured punctuality and superior quality in task execution through effective leadership.
- Tracked team achievements and adjusted strategies as needed.

IEEE Computer Society, Web Developer- SRM

- Collaborated with other developers on coding projects.
- Developed web applications using HTML, CSS, JavaScript, and React.
- Integrated design specifications into the development process for accurate execution.
- Developed wireframes and prototypes to validate user interactions with UI elements.

AWS Graduate, AWS Academy- Online Certification

- Successfully completed the **Cloud Foundation and Data Engineering** courses through a virtual internship program, gaining hands-on experience with AWS services and cloud-based data engineering practices. Proficient in foundational cloud concepts and designing data workflows on AWS.

Certifications

- Cascading Style Sheet (CSS), HackerRank
- Beginning C++ Programming - From Beginner to Beyond, Udemy
- Python (Basic), HackerRank
- IBM Python for Data Science and AI Development, Coursera
- C, C++, Python and Ruby Programming, Udemy
- AWS Graduate - Cloud Foundation and Data Engineering, AWS Academy

Hobbies

Coding, Watching movies and shows, Web development, Graphic design, Researching on mystical topics, Sports

Competitions And Honors

- Won internal rounds of RedBull Basement Hackathon, a 36-hour Ideathon+Hackathon.
- Got selected for the internal rounds for the Smart India Hackathon for two consecutive years.
- Completed in the Top 3 of an Industrial Hackathon of 72 Hours - Enduraverse 25

Additional Achievements

- AWS Academy Badges - Cloud Foundations, Data Engineering, Machine Learning Foundations
- Google For Developers Badges - Image Classification, TensorFlow, Object Detection etc.
- Credly and CodeChef - Problem Solver Badge, Python for Data Science and AI



Aayush Kumar

Certificate of Completion for

AWS Academy Graduate - AWS Academy Cloud Foundations

Course hours completed

20 hours

Issued on

12/04/2024

Digital badge

<https://www.credly.com/go/IUElkeOB>



Aayush Kumar

Certificate of Completion for

AWS Academy Graduate - AWS Academy Data Engineering

Course hours completed

40 hours

Issued on

12/04/2024

Digital badge

<https://www.credly.com/go/Qy2jOC0K>



Aayush Kumar

Certificate of Completion for

AWS Academy Graduate - AWS Academy Machine Learning Foundations

Course hours completed

20 hours

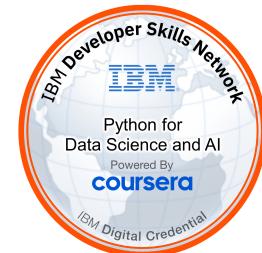
Issued on

03/28/2025

Digital badge

<https://www.credly.com/go/49dmvjrV>

In recognition of the commitment to achieve
professional excellence



Aayush Kumar

Has successfully satisfied the requirements for:

Python for Data Science and AI



Issued on: Jan 21, 2024

Issued by: Coursera

Verify: <https://www.credly.com/badges/492174b8-8444-4604-aa65-7e281b99563d>

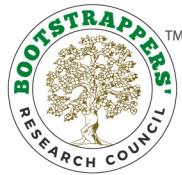




SRM
INSTITUTE OF SCIENCE & TECHNOLOGY
(Deemed to be University u/s 3 of UGC Act, 1956)



Directorate of
Entrepreneurship &
Innovation (DEI)



Participation

Certificate

This certificate is proudly presented to

Aayush Kumar (RA2311003010098)

for participating in the Internal Round of **Smart India Hackathon** held by the
SRM DEI between September 12th – 15th, 2023



Centre for Intellectual
Asset Protection

FABLAB



SRM Innovation and
Design Centre



NewGen IEDC SRM
(DST - NSTEDB, Govt. of India)

Prof. T. V. Gopal
Dean CET, SRMIST

Dr. Shantanu Patil
Associate Director, SRM DEI

CERTIFICATE

OF PARTICIPATION



This certificate is presented to

Aayush Kumar

In recognition of their steadfast dedication and enthusiastic participation in Hackathon 3.0
organized from 19th - 21st April, 2024 by UPES-CSA Student Chapter.

Ritik Raheja

Ritik Raheja
Vice President
UPES-CSA

Pranav Aeron

Pranav Aeron
President
UPES-CSA

Avita

Dr. Avita Katal
Faculty Coordinator
UPES-CSA