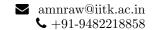
Aman Raw

Final Year Undergraduate

Computer Science and Engineering



Academic Qualifications

Year	Degree/Certificate	Institute	$\mathbf{CPI}/\%$
2019 - Present	B.Tech Indian Institute of Technology Kanpur		6.4/10.0
2018	Class XII (CBSE)	Jawahar Navodaya Vidyalaya, Bundi, Raj	87.8%
2016	Class X (CBSE)	Jawahar Navodaya Vidyalaya, Firozabad, UP	9.8/10.0

Scholastic & Curricular Achievements

- Secured All India Rank 6116 in JEE Advanced 2019 among 2.3 lakh shortlisted candidates
- Secured All India Rank 9331 in JEE Mains 2019 with 99.2 percentile among 12 lakh candidates
- Selected among 400 Students from all JNV schools over India in Dakshana Selection Test (NDST) (2016)
- Selected among top 30 students from all 23 IITs in the Ratti chhatr Scholarship by Panasonic (2019)

Work Experience

• Micron Technology Operations India LLP | Firmware Engineer Internship

(May'22-Jul'22)

Objective	To implement the tool for checking coding standards violations , which will avoid manual checking of rules.
	-Worked with SSD-Firmware team and contributed to developing a tool to check violations in coding stan-
	dard rules and to help developers in future by speeding up the process of checking coding standard rules.
Approach	-Wrote scripts in Python to check coding style violations in Firmware code source files written in C language.
Approach	-Worked on Developer Test Framework(RDTF) , to add some functionality to optimize stubbing perfor-
	mance, which is important for independent testing of all three domains FE , FTL and BE .
	-Learning: Used and learnt Vera tool, (C and C++ program analysis and verification tool) along with basics
	of SSD, Controller, Firmware (Garbage Collection, folding, Wear Levelling).
Impact	Presented and Documented Coding standard rules and added Code to Micron's Git (master branch).

Projects

• Smart Aquarium-IoT Project | IoT Course Project 🗘

(Mar'22)

- Worked on real-time monitoring of pH and Luminosity and sending the report on a webpage developed using MEAN stack
- Used C++ for gathering and manipulation of pH sensors and temperature sensor data using Arduino.
- Used Raspberry Pi, Arduino to deploy sensors, actuators and established connection with the client using Socket.
- Automatically handled non-ideal cases by adjusting water pH using solenoid valves and adjusting the brightness using bulbs
- PHP Educational Resources Platform | Collaborative Project 🗘

(Jul'22-Aug'22)

- Developed an educational web platform where users can get ${f e}$ -books, quizzes & programming materials.
- Designed a user registration & login system and added password reset functionality using PHP & HTML.
- Implemented functionality to map users with the courses and used \mathbf{MySQL} for $\mathbf{managing}$ the $\mathbf{database}$ of e-books.
- Developed the **frontend** using HTML5, CSS3 & Bootstrap and deployed the project on a live server through **000WebHost**.
- Django DigiSchool_IITK | Software Course Project 🗘

(Feb'22-Apr'22)

- Developed an interactive educational software where user can access and add course material and discuss with other user.
- Designed a user (with two different roles) registration & login system using Django authentication.
- Developed the frontend using HTML5, CSS3 & Bootstrap, used python for backend using Django framework.
- Student Database Management System

(Dec'21-Jan'22)

Prayas, IIT Kanpur | community welfare, IIT Kanpur

- Developed a Student Management System in $\mathbf{C}++$ program for education establishments to manage student-related data.
- Performed effective implementation of **OOPs** & inbuilt libraries to built a console application.
- Application utilizes file handling where admin can **create**, **modify**, **delete** and **display** student record from a **DAT** file.

Technical Skills

- Programming languages
 - Proficient: C, C++ Familiar: Python, Octave/Matlab, Assembly
- Utilities: Microsoft Excel, Latex, Git, Shell, Visual Studio, vim Web Development: HTML, CSS, php, MySQL

Relevant Courses

(* - Excellent Performance) (** - Ongoing Courses)

Data Structure & Algorithm	Computer Organisation	Operating System	Introduction to Machine Learning**
Fundamentals of Computing	Theory of Computation	Algorithms II	Introduction to IoT**
Data Analysis (online)	Compiler Design	Computer Networks*	Software Development and Operations

Positions of Responsibility

• Senior Executive | Techkriti'21 IIT Kanpur

Leadership	-Leading a Junior Executive team of 50 students responsible for Conducting the TOSC'21 Exam.
Initiatives	-Introduced some new Marketing strategies to get a great sponsorship amount for Techkriti'21Visited 11 Schools to Get a huge Participation In Most awaited Event of Techkriti - TOSC'21.
Impact	600+ Students registered for the TOSC'21 with conversion rate of more than 70%

Extra-Curricular Activities

- Honored with Governor Award in Bharat Scouts and Guides for prompting young individuals.
- (2016) (2016)
- Secured 2nd rank in **Youth Parliament** Presentation in Firozabad district, for the role of **Law Minister**.