



Arin Kumar

TECH ENTHUSIAST

Details

Lucknow

India

+91 95802 72214

arinkumar10@outlook.com

DATE OF BIRTH

15/09/2004

Links

[LinkedIn](#)

[GitHub](#)

Skills

Web Development (html, css and java script)

Windows and Linux Operating System

Sockets Programming

Leadership and Teamwork

AI Prompt Generation

Languages

English

Hindi

Hobbies

Billiards, Guitar, Photography, Astrophotography, Tinkering

Profile

Tech savvy B.Tech student with a strong foundation in software development and web technologies. Proficient in Java, JavaScript, C, and skilled in front-end web development. Passionate about robotics, software engineering, operating systems, networks, low level programming and leveraging AI in my daily life.

Adept at problem-solving and continuously learning to stay updated with emerging tech trends. Seeking opportunities to leverage my skills in a dynamic and challenging environment.

Education

High School, City Montessori School, Lucknow

APRIL 2021 – MARCH 2023

Graduated with 93% from ISC board.

B. Tech. in Information Technology, Rajiv Gandhi Institute of Petroleum Technology, Jais, Amethi

AUGUST 2024 – PRESENT

Actively working and pursuing continuous learning to enhance my skills and expertise in the tech domain.

Internships

Web Developer, The Indian Vidyarthi

DECEMBER 2024 – PRESENT

- Utilized object-oriented programming (OOP) principles to improve code readability and maintainability

Projects and Technical Experience

Arch Linux System Configuration

NOVEMBER 2024 – PRESENT

- Manually configured an Arch Linux system without pre-built scripts, setting up firewalls, user management, and regular backup processes.
- Learned advanced GNU/Linux commands, the Linux filesystem hierarchy, and the history of UNIX and Linux.

Local LLM Setup

JUNE 2024 – JUNE 2024

- Installed LM Studio and Ollam to run locally-hosted LLMs with lower quantization (3B to 14B).
- Used jailbreak techniques to extract restricted information from pre-trained AI models, gaining knowledge in AI/ML and model manipulation.

Encryption/Decryption Web App

MARCH 2024 – MARCH 2024

- Created a simple web app showcasing a basic encryption and decryption algorithm using HTML, CSS, and JavaScript, gaining experience in cryptography concepts and web development.

Tic-Tac-Toe Game

JANUARY 2025 – JANUARY 2025

- Developed a Tic-Tac-Toe game using vanilla JavaScript, applying Object-Oriented Programming (OOP) principles and SOLID principles for clean, maintainable code.
- Optimized the build process using Webpack for better performance and scalability.

To-Do List, Web App

JANUARY 2025 – PRESENT

- Developing a To-Do List web app using vanilla JavaScript, HTML, and CSS.
- Implementing SOLID principles and Object-Oriented Programming (OOP) for maintainable and scalable code.
- Utilizing Webpack for optimization and Prettier for code formatting to ensure clean and consistent development.

IP Address Finder (C Program)

JANUARY 2025 – JANUARY 2025

- Developed a C program to retrieve the IP address of any website using socket programming, strengthening skills in network programming and understanding client-server architecture.

Smart India Hackathon, Government of India

AUGUST 2024 – OCTOBER 2024

- Led and qualified as the sole team of freshers in the internal hackathon, showcasing strong collaboration and problem-solving skills.

Line Follower and Wall Maze Solver Robot, Urjotsav, RGIPT

NOVEMBER 2024 – NOVEMBER 2024

- Developed a Line Follower Robot and Wall Maze Solver Robot as a solo project for Urjotsav RGIPT, utilizing the PID algorithm and the Left-Hand Rule algorithm.
- Gained hands-on experience in Arduino programming, I2C communication, hardware datasheet analysis, and embedded systems development.

Blimp, LTA Systems

JANUARY 2025 – PRESENT

- Currently working on a Blimp project (LTA Systems) with a course from NPTEL.
- The project involves using microcontrollers and materials such as mylar, latex, or BoPP for the envelope, gaining practical experience in aerospace systems and embedded systems.

Courses and Books

Full Stack Web Development, The Odin Project

JUNE 2024 – PRESENT

Beej's Guide To Network Programming

DECEMBER 2024 – PRESENT

LTA Systems, IIT Bombay

JANUARY 2025 – PRESENT