

# Kartikey Gupta

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## PROJECTS

### 1) DRIVE-CONNECT: DRIVING LEARNING SYSTEM

JULY 2025 – PRESENT

- Developed “**Drive-Connect**”, a **full-stack** driving learning platform with a secured **JWT Authentication**.
- Built robust **RESTful APIs** using **Node.js, Express.js and MongoDB**, implemented secure authentication.
- Implemented seamless admin approval and **dynamic learner-instructor** interactions to boost user engagement.
- **Technology Used:** React.js, Node.js, Express.js, MongoDB, Vite, Tailwind CSS, JWT, Axios, Restful APIs.

### 2) SALE-SAGE: SALES PREDICTION SYSTEM

JANUARY 2025 – MARCH 2025

- It is a sales prediction web app, built using regression techniques.
- Integrated AI Driven models (**AdaBoost, Decision Tree**) to enhance forecasting accuracy and business decisions.
- Reduced model training time by 18.53% through optimized data preprocessing.
- **Technology Used:** Flask, Python, React.js, JavaScript, CSS, AdaBoost, XGBoost, Google Collab, Decision Tree.

### 3) QR NAVIGATED PARKING SYSTEM

APRIL 2024

- Users can book parking slots via QR codes, requiring only a car number and phone number.
- Implemented secure **API endpoints** for parking slot management using **Express.js**.
- **Secured 2<sup>nd</sup> place in INNOCODEATHON Hackathon 2024 for innovation.**
- **Technology Used:** React.js, Node.js, Express.js, MongoDB, Postman API, Vite, Axios, JWT Authentication.

## TECHNICAL SKILLS

- **Frontend:** ReactJS, HTML, CSS, JavaScript, React-Hooks, Context-API, Functional Components
- **Backend:** Node.js, Express, Mongoose, Flask, JWT, Restful API's
- **Database:** MongoDB, SQL, MySQL, Object/Entity Relationship, Relational Databases
- **Programming Languages:** C, C++, Python, Java, JVM
- **Coursework:** DBMS, Data Structures, OOPS, Operating System, Algorithms
- **Tools & DevOps:** Postman API, Thunder-Client, MongoDB Atlas, MongoDB Compass, GitHub, CI/CD, Data Models
- **Concepts:** API Development, Role-Based Access, Modular Code Design, Version Control

## EXPERIENCE

### 1) COGNIFYZ TECHNOLOGIES: FRONTEND DEVELOPER INTERN

JULY 2024 – AUGUST 2024

- Created 5+ UI components with Bootstrap and BULMA to enhance layout and interactivity.
- Delivered 2 frontend projects on schedule, ensuring responsive design and clean, maintainable codebase.

### 2) CODE-CLAUDE: WEB DEVELOPER INTERN

NOVEMBER 2022 – DECEMBER 2022

- Designed responsive UI across 6+ sections to ensure cross – device compatibility.
- Reduced folder structure complexity by 25% using Tailwind-CSS utility classes.

## EDUCATION

### Bachelor of Technology in Computer Science (CS)

ABES Engineering College | CGPA: 7.69 | 2021 – 2025

### Intermediate (CBSE)

Saraswati Vidya Mandir Inter College | 75.20% | 2020 – 2021

### High School (CBSE)

Saraswati Vidya Mandir Inter College | 80.16% | 2018 – 2019

## POSITIONS AND RESPONSIBILITIES

- DSA Training Assistant at ABES Engineering College SEPTEMBER 2024 – MAY 2025
- Student Organizer of 1<sup>st</sup> IEEE Conference of Computer Science Department NOVEMBER 2024
- Member of CCPD/SCC Department SEPTEMBER 2023 – APRIL 2024
- Leader of Mini Project Team SEPTEMBER 2022 – APRIL 2023

## ACHIEVEMENTS & AWARDS

- Winner of **INNOCODEATHON Hackathon 2024**
- Winner of **Internal SIH Hackathon 2023**
- Solved **350+** problem on **Leet-code** using **C++**

## CERTIFICATIONS

- **Hacker-rank:** [Programming Certificate](#)
- **Infosys:** [Programming with C++ Certificate](#)
- **Infosys:** [JavaScript Certificate](#)
- **Infosys:** [Data Structures and Algorithms](#)