

# Kartikey Gupta

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## PROJECTS

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

MAY 2025 – PRESENT

- Developed driving learning system using **MERN Stack**, with backend powered by **Node.js** and **Express.js**.
- Implemented **JWT Authentication** and **role-based access control** for secure user management.
- Followed scalable architecture principles and applied MVC design pattern for clear codebase structure.
- Integrated **Restful API's** for learner registration and driving session tracking.

### 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.
- Developed a ReactJS frontend with a Flask-based API for real-time insights.

### 3) QR NAVIGATED PARKING SYSTEM

APRIL 2024

- Users can book parking slots via QR codes, requiring only a car number and phone number.
- Built backend using **Node.js** and **Express**, handling QR-based slot booking and real-time parking validations.
- Implemented secure **API endpoints** for parking slot management using **Express.js**.
- **Secured 2<sup>nd</sup> place in INNOCODEATHON Hackathon 2024 for innovation.**

## TECHNICAL SKILLS

- **Frontend:** ReactJS, React-Native, HTML, CSS, JavaScript, Tailwind-CSS
- **Backend:** Node.js, Express, Mongoose, Flask, JWT, TypeScript, Restful API's
- **Database:** MongoDB, SQL, MySQL, Oracle
- **Programming Languages:** C, C++, Python, Java
- **Coursework:** DBMS, Data Structures, OOPS, Operating System, Algorithms
- **Tools & DevOps:** Postman API, Thunder-Client, MongoDB Atlas, MongoDB Compass, GitHub, VS Code, CI/CD
- **Concepts:** API Development, Role-Based Access, Modular Code Design, Unit Testing (JEST)

## 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
- Ranked 1066 out of 440000 at TCS Code-vita

## CERTIFICATIONS

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