

UJJAWAL SINGH

Electronics Engineering Graduate

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GITHub | LeetCode | HACKERRANK | PORTFOLIO | LINKEDIN

EDUCATION

RAJKIYA ENGINEERING COLLEGE
BACHELORS ELECTRONICS ENGINEERING
CGPA: 8.25

July 2019 - July 2023
Kannauj, Uttar Pradesh

R.S.M SENIOR SECONDARY SCHOOL
INTERMEDIATE (10+2) MATHEMATICS
Percentage: 86.8%

May 2017 - May 2018
Gorakhpur, Uttar Pradesh

WOODLAND ACADEMY
HIGHSCHOOL
CGPA: 9.4

May 2015 - April 2016
Gorakhpur, Uttar Pradesh

EXPERIENCE

PINE LABS (MOSAMBEE) | DEVELOPMENT SUPPORT ENGINEER Mumbai, Maharastra | Feb 2025 - Present

Project: Mobile Point of Sale (MPOS)

- Provided development support for MPOS card-based transactions including Sale, Void, Pre-auth, Completion, and Reversal transactions.
- Worked on middleware integration, facilitating real-time communication between the POS terminal and backend servers.
- Hands-on experience with ISO 8583 protocol, handling request/response message formats, field mapping, and Bitmap construction.
- Implemented logic for Acquirer-Issuer validation, transaction routing, based on transaction category.
- Supported end-of-day settlement, ensuring proper batching, reversal handling, and compliance with payment gateway requirements.
- Key Technologies & Concepts: Core Java, Servlet, REST API, JSON, SQL, ISO 8583, Bitmap, Tomcat 9/10, Apache, MPOS Middleware.

Project: Alternate Payment Method (APM)

- Supported migration of the application from Jersey to Spring Boot Framework for improved scalability and maintainability.
- Customized and provided support for both Static and Dynamic QR code generation for payment functionalities.
- Optimized database interactions by replacing stored procedures with JPA Repository and JPA Specification.
- Implemented the Chain of Responsibility design pattern to improve modularity and code maintainability.
- Contributed to key modules including UPI & QR Code Generation, Callback Handling, and more.
- Key Technologies: Java, Spring Boot, JPA, Hibernate, Apache Tomcat, REST API, JSON, SQL, GitLab, Maven

QSPIDERS SOFTWARE DEVELOPMENT TRAINING INSTITUTE | SOFTWARE DEVELOPER TRAINEE Noida, Uttar Pradesh | July 2023 - Jan 2025

Learnt about Core Java, JDBC for backend development, SQL and MySQL for database, Web Tech that includes HTML, CSS, JavaScript for FrontEnd Development and learning Servlet, Hibernate right now

ALGOCUBES PVT. LTD. | SOFTWARE DEVELOPER INTERN Noida, Uttar Pradesh | July 2022 - August 2022

- Learnt about Internet Fundamentals, Basics of Web Development, Types of Web Development, Front end Web Development (HTML, CSS, JavaScript, React, Version Control System).
- A little bit of Backend Web Development, Bootstrap etc. while doing the internship.

SKILLS

PROGRAMMING LANGUAGES
LIBRARIES / FRAMEWORKS
TOOLS / PLATFORMS
DATABASES

Core Java , Embedded C
Servlet&JSP, Hibernate, Spring
Bootstrap, Git, IntelliJ Idea, STS, Arduino IDE, Eclipse,
SQL, MySQL

PERSONAL PROJECTS / OPEN-SOURCE

PERSONAL PORTFOLIO WEBSITE | [LINK](#)

HTML, CSS, JavaScript

- With this Project I was Aiming to create a Personal Portfolio which is responsive and tells about my skills and projects.

DASHBOARD AND DATA ANALYSIS FOR IOT APPLICATION

Node-Red, TinkerCad

- With this Project I was Aiming to create many Dashboards using node red and Data of Current Weather of any particular city is analyzed using API Key from a website called openweathermap.org. And Along with Previous Data of Earthquake is Analyzed in the project using a CSV file.

RESTAURANT WEBSITE | [LINK](#)

HTML, CSS, JavaScript, React Js

- With this Project I was Aiming to create a Multipage Responsive Website for Grocery Store.

INSTAGRAM CLONE PAGE | [LINK](#)

HTML, CSS, JavaScript

- With this Project I was Aiming to create a Responsive Clone Page of Instagram having some photos and feeds.

OBSTACLE AVOIDANCE ROBOT

Arduino IDE, TinkerCad

- With this Project I was Aiming to create a robot which moves according to the obstacle come in their path which is detected by Ultrasonic Sensor and the movement of the body is done with the help of Hobby Gearmotor.

CROP HEALTH MONITORING SYSTEM USING IOT AND ML
Notebook

Arduino IDE, Tensorflow, Jupyter

- With this Project I was Aiming to create a Smart crop monitoring system.
- With the help of that system the health condition of crop is measured using Camera and various type of sensors.
- Sensors like NPK Sensor is used to detect the nutrients level of soil, Soil Moisture sensor is used for measure moisture in soil as well as many sensors are used in it.

CERTIFICATIONS

- Basic of Web-Internet Fundamentals - CODEDAMN
- What is IoT - GREAT LEARNING
- Basics Of Javascript - CODEDAMN
- Javascript Under the hood - CODEDAMN
- TCS iON Career Edge - Young Professional Course - TCS-iON
- React 18 - CODEDAMN
- First Python Project - COURSERA
- Flipkart GRiD 4.0 - Software Development Challenge - UNSTOP