

# APOORV LODHI

SOFTWARE ENGINEERING INTERN

Chicago, Illinois

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## EDUCATION

**University of Illinois at Chicago, MS in Computer Science** | Chicago, USA

May 2026

**National Institute of Technology, Bhopal, B.Tech. in Computer Science** | India GPA: 7.8 / 10

May 2022

Courses: Data structures | Computer Algorithms | Distributed Systems and Objects For Cloud Computing | Artificial Intelligence | Machine Learning | Computer Vision | Object oriented languages and environment | Database Management Systems

## EXPERIENCE

**CARS24, Software Development Engineer - 1 (Backend)** | Bangalore, India

April 2023 - May 2024

- Spearheaded the creation of a DIY KYC verification workflow using **Spring Boot** and **Java** in a team of 4, decreasing verification time by 80% and elevating user experience, leading to improvement in customer retention rates.
- Engineered a bulk uploader system for CSV files, enabling instant import of thousands of leads; enhanced sales operations, reducing data entry time by 70% and boosting lead conversion rates.
- Optimized the layout of the Sales CRM Panel, enhancing intuitiveness and reducing task completion time for Car Advisors by almost 50%, increasing operational efficiency and fostering cross-team collaboration.
- Written clean code, performed code-level maintenance of microservices written in **Java**, and monitored alerts using **Datadog**, resulting in a 20% reduction in system downtime and improvement in response time to critical issues.

**OLA Electric, Software Developer (FTE)** | Bangalore, India

February 2022 - April 2023

- Took ownership for building a scalable and resilient **OTA-Notification** feature using **Spring Boot** and **Java**, ensuring customers were promptly informed about the status of the **Move OS 3** update.
- Liaised a system for **Diagnostic App** to send custom triggers to scooters, improving diagnostic accuracy by 25%.
- Designed and refined architecture to handle campaigns that send software updates to 100k+ scooters and automate failure-handling and track analytics.
- Written Unit test cases for using **Junit5** and **Mockito** with 80% test coverage.

**OLA Electric, Software Development Engineer Internship** | Bangalore, India

February 2022 - July 2022

- Innovated an advanced de-serializer for **Kafka** data streams, which empowered the **Vehicle software** team to resolve issues 30% quicker and conduct comprehensive data analysis, improving operational performance by 20%.

## PROJECTS

**Am I A Good Fit | Google Chrome Built-in AI Hackathon**

November 2024 - Present

- Developed a web application as part of the **Google Chrome Built-in AI Challenge**, utilizing **Chrome's** integrated **AI APIs** powered by **Gemini Nano**.
- Leveraged **Gemini Nano's** Summarization, Rewriting, and Prompt APIs to create an **AI-driven** platform that assesses job fit based on resumes and job descriptions.
- Guided users with personalized up-skilling recommendations and actionable career insights using advanced **AI** capabilities.

**Plant disease detection system**

January 2024 - February 2024

- Built and trained a convolutional neural network using **TensorFlow** to classify 87,000 RGB images of healthy and diseased crop leaves into 38 classes.
- Processed and split a **Kaggle** dataset into 80% training and 20% validation sets; used an additional custom dataset with 33 images for testing and predictions.
- Attained 98.4% accuracy on the training dataset and 95.7% accuracy on the validation dataset, demonstrating the model's effectiveness in classifying plant diseases.

**Crypto Currency Price Analysis**

May 2024 - June 2024

- Designed and built a real-time API using **Python** and **FastAPI** to fetch and analyze **Bitcoin**, **Ethereum** price data from multiple sources.
- Leveraged **PostgreSQL** for data storage and management to enable efficient querying and historical analysis of price trends.
- Integrated asynchronous data fetching and processing to ensure high availability and fast response times for real-time user requests.

## SKILLS

Languages	Java, Python, C, C++, JavaScript, HTML, CSS, SQL, Ruby, Go, Golang
Database and frameworks	Spring Boot, Node JS, MySQL, MongoDB, Flutter (Android, iOS)
Cloud Technologies	Redis, Kafka, Google Cloud, Amazon Web Service (AWS), Amazon S3, Docker