

Farhad Dubey

B.Tech in Computer Science Engineering

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<https://github.com/farhaddubey/>

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<https://leetcode.com/farhaddubey/>

EDUCATION

B.TECH, COMPUTER SCIENCE ENGINEERING, JUNE 2025

Maintained 9.49 CGPA till now from Sister Nivedita University, Kolkata, India

JEE Mains, JULY 2021

Qualified with 86%ile at National Level.

10th WBBSE, 2017

Qualified with **91% AA** grade at State Level.

COMPETITIVE PROGRAMMING ACHIEVEMENTS : LEETCODE

Ranked among the **World's top 1% of Global LEETCODE** users.

Solved more than **500 problems** on **data structures & algorithms**.

TECHNICAL SKILLS

PROGRAMMING LANGUAGES & DATABASES

Python, C, C++, C#, Java, JavaScript, TypeScript, Kotlin, Swift, Dart, Go, PHP, Bash, Ruby etc.

& databases like- SQL, PostgreSQL, MongoDB, DynamoDB, Firebase, Cassandra

AI, ML & DEEP LEARNING FRAMEWORKS & LIBRARIES

Keras, TensorFlow, PyTorch, LangChain, Hugging Face Transformers, NLTK, spaCy, RASA, OpenCV etc.

WEBAPP/SOFTWARE DEVELOPMENT TECHNOLOGIES:

Django, Spring-Boot, React.js, Next.js, Node.js ie. MERN, Flutter & Native Development via Kotlin, Swift, Java

DEVOPS & OTHER TECHNOLOGIES:

Docker, Kubernetes, Rest API, Nginx, Istio, Apache Kafka, Apache Spark, RabbitMQ, Prometheus, Grafana, Git, GitLab CI/CD, Jenkins, System & Software Design, Linux/Unix etc.

MAJOR PROJECTS USING WEB & SOFTWARE TECHNOLOGIES

E-COMMERCE SITE & SOFTWARE:

- Developed a full-fledged Ecommerce platform leveraging modern frontend technologies like **React.js, Next.js, and (MUI)** as Web-UI & **Flutter** for iOS and Android, ensuring intuitive user interface a seamless shopping experiences.
- Engineered the backend infrastructure using **Django and Django Rest Framework**, including user authentication, product management, order processing, and payment integration.
- Integrated real-time SMS notifications services such as FastSMS for enhancing user engagement & tracking capabilities.
- Utilized **PostgreSQL** as the relational database management system (RDBMS) to store and query product catalogs, user profiles, and transactional data efficiently.

UBER EATS LIKE WEB APPLICATION

- Developed a **Microservices-based** Food Delivery Web App using **Tailwind CSS, Material UI, React.js & Next.js** as frontend modularity and **Node.js based Nest.JS framework** as backend architecture.
- Implemented **Express with Node.js and TypeScript**, leveraging **Prisma and TypeORM** for efficient service management.
- Adopted event-driven architecture with **SQS & Kafka**, enabling real-time data processing and inter-service communication.
- Utilized **Docker** for containerization, ensuring consistent deployment and scalability across services.
- Integrated **Twilio and SendGrid APIs** for SMS and email notifications, enhancing user engagement.
- Employed **MySQL and PostgreSQL** alongside **MongoDB** for diverse and optimized data storage solutions.
- Ensured robust service communication and orchestration within the Microservices ecosystem.

MAJOR PROJECTS USING AI, MACHINE LEARNING & DEEP LEARNING

CHATBOT DEVELOPMENT USING NLP

- Engineered an advanced chatbot system using **Langchain, Rasa, TensorFlow & Keras** focusing on natural language understanding and dialogue management.
- Utilized TensorFlow & Keras to deploy machine learning models for enhanced conversation and intent recognition.
- Integrated chatbot features into mobile apps using Flutter for cross-platform consistency.
- Leveraged TensorFlow's computational efficiency & Rasa's scalability to deliver a responsive & robust chatbot solution.

CLONE DEVELOPMENTS (PUBLICLY AVAILABLE ON <https://github.com/farhaddubey/>)

Instagram Clone using **Kotlin & Firebase**

Google Meet Clone using **WebRTC, JavaScript & React**

Google Form Clone using **React & MUI**

Uber Clone using **Kotlin**

AWARDS & RECOGNITIONS

AWARD OF EXCELLENCE, by HUMAN WELFARE FOUNDATION 2017