

OM PRAKASH BAIRWA

ACADEMIC PROFILE

| Degree/Certificate | Institution | Percentage/CGPA | Year |
|--------------------|--|-----------------|------|
| IDD | Electrical Engineering IIT (BHU), Varanasi | 8.66 | 2025 |
| RBSE (XII) | L B S Vidhyapeeth SSS | 89.800 | 2019 |
| RBSE (X) | New Inter Public SSS | 90.000 | 2017 |

SKILLS

Languages: C++, JavaScript, Golang, Python

Technologies: React, Redux, Node.js, Express, Socket.io, Gin (Golang), MYSQL, Mongo DB

Familiar With: Redis, Cron Jobs, Kafka, AWS(EC2), Elasticsearch

Areas Of Interest: Data Structures and Algorithms, Object Oriented Programming, Backend Engineering, DBMS

INTERNSHIP/TRAINING

DHANDOLAT- SOFTWARE ENGINEER (BACKEND) INTERNSHIP

May - Jul 2022

Worked as a backend intern at DhanDolat-One stop platform to help people get started managing with their money

- Developed the **Bionic Reading** API interface for facilitating the reading process.
- Enabled **Redis** data caching for accelerated content delivery. Achieved remarkable API performance improvement, **reducing latency** mean from 200ms to just 80ms (P99 reduction).
- Produce data to **Kafka** topic which will be later be consumed and **bulk** update like's data in **MySQL DB**.
- Utilize **Cron Jobs** for hourly tick data computation, followed by candlestick chart formatting.
- Set up the **GitHub actions** to automate ci/cd pipeline for auto-deploy the **Dockerized container**.

PROJECTS

LoanCorner | Team Project

Apr - May 2022

- [LoanCorner](#) is a fintech early-stage platform that works on a C2C business model. | [GitHub](#)
- Developed a C2C-based loan application using **React**, in which users can take or give loans as per their CTC after signup and document verification.
- Developed and deployed a robust backend system using **Node.js** and **Express** framework.
- Leveraged **Mongoose** library for modeling and storing user data on **MongoDB**.
- Features includes: Storing data in **Firebase Cloud Storage** for storing media content(images or other user-generated content), a **virtual currency** system for the project and implemented efficient caching mechanisms using **Redis** etc.

Attendo | Team Project

Aug - Sep 2022

- [Attendo](#) is an attendance system working on the principle of face - recognition. | [GitHub](#)
- Created the **Admin** feature that allow admins to manage their own teams including attendance, users, holidays attendance time and also able to see attendance of the users in their team.
- Implemented the face-recognition feature using **Face-Recognition API** and created its REST API using **Flask**.
- Created REST API for authentication, marking attendance, creating and getting teams(under an Admin) using **Node.js** & **Express** in backend & **MongoDB** for storing and fetching data.
- Designed an email service using **Microservices** architecture in **Golang**.

POSITION OF RESPONSIBILITY

Technical Head | Spardha'23

Aug - Nov 2022

Spardha is the annual Sports festival of IIT (BHU), Varanasi organised by the IIT gymkhana

- Managed the official website of Spardha'22 and Integrated the **Google Sheets** and backend user registrations.
- Developed a robust email **Microservice** using **SendGrid**, incorporating a Python script for efficiently sending **Bulk** system-generated emails.
- Exposure:** Django, Google Cloud APIs, PostgreSQL, ReactJS

EXTRA-CURRICULAR ACTIVITIES

- Selected to develop official website of the **Club of Sustainability & Innovation**, IIT BHU, and earned a [certificate](#).
- Participated in **Flipr Hackathon** XIII with a team of 3 members as a team leader.
- Secured global **Rank 3069** Round-A in CodeJam'23 Farewell.
- Secured Rank-492 in **CodeRush** March'23 by Newton School.
- Participated in **Pre Event - Cyclothon** at Spardha'21 India's largest sports festival held at IIT(BHU).

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