OM PRAKASH BAIRWA

ACADEMIC PROFILE

Degree/Certificate	Institution	Percentage/CGPA	Year
IDD	Electrical Engineering IIT (BHU), Varanasi	**8.77**	2025

SKILLS

Languages: C++, JavaScript, Golang
Technologies: React, Redux, Node.js, Express, Socket.io, Gin (Golang), MYSQL, Mongo DB
Familiar With: Redis, Cron Jobs, Elasticsearch, Kafka, AWS
Areas Of Interest: Data Structures and Algorithms, Object Oriented Programming, Backend Engineering, Database Management System

INTERNSHIP/TRAINING

DHANDOLAT- SOFTWARE ENGINEER (BACKEND) INTERNSHIP
May 2022 - Jul 2022

Working 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 facilating the reading process.
- Implemented the **Redis** data caching for the fast delivery of content.
- Produce data to **Kafka** topic which will be later be consumed and **bulk** update like's data in **MySQL db**.
- **Cron Jobs** to get the data and compute it then built it in format for candle stick chart and Set up the **GitHub workflow** actions for auto-deploy the **Dockerized container**.

PROJECTS

Project-Ice | Personal Project
Aug 2021 - Oct 2021

A full stack Project-Ice e-Commerce website built using MERN stack

- Developed a **React + Nodejs** E-commerce Website where users can order Ice-Cream according to their choices. and created admin feature to manage orders and products efficiently.
- Utilized React and **Tailwind CSS** for frontend and state is efficiently managed using **Redux**.
- Used **Mongoose** Library to model users data and stored the users data on **MongoDB** database.
- Features includes: Storing data in **Firebase Cloud Storage** for storing media content(images or other user-generated content) and used **Redis** for data caching etc.

Attendo | Team Project
Aug 2022 - Sep 2022

Attendo is an attendance system works on the principle of face - recognition

- Developed a full stack **Attendance System App** which can mark attendance of individuals using **Face Recognition**.
- 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 & **Mongo DB** for storing and fetching data.
- Design a email service using **microservice** architecture in **Golang**.

POSITION OF RESPONSIBILITY

Technical Head | Spardha'23
Aug 2022 - Nov 2022

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

- Manage the official website of Spardha'23 and Integrated the **Google Sheets** and backend user registrations.
- Created an email **microservice** using SendGrid and write a Python script to send **bulk** system generated emails.
- **Exposure**: Django, Google Cloud APIs, PostgreSQL, ReactJS

HONOURS AND ACHIEVEMENTS

- 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.
- Solved 1000+ problems on CodeChef, LeetCode, Codeforces, HackerRank, and GFG.

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