

AJIT J GUPTA

ajitg131@gmail.com | 7984265117 | [Leetcode](#)

EDUCATION

BMS College Of Engineering

B.tech in EEE, CGPA: 9.2/10

2020-2024
Bangalore, India

Kendriya Vidyalaya

HSC(Class XII), Aggregate: 93

2018-2020
Silvassa , DNH

TECHNICAL SKILLS

Languages: C++, Python, JavaScript

Frameworks: Node.js, Nest.js, Flask , FastAPI

Database: MySQL, Postgres

Tools/Technologies: Git, Databricks, AWS, Jira, PySpark, Airflow, Kafka

WORK EXPERIENCE

SDE, Hinge Health

July 2024 - Ongoing

- Built and optimized **PySpark + Delta Live Tables (DLT) pipelines** to transform data from **bronze to gold layers** and integrate it with **Iterable**, using **Airflow as the orchestrator**.
- Developed and maintained a **TypeScript** service built on **Node.js**, subscribing to **Kafka** topics to process user events and update **Iterable** for personalized marketing automation.

SDE Intern, Hinge Health

Aug 2023 - June 2024

- Contributed to the development and optimization of internal service, enabling **scalable batch processing of 3D human pose estimation on videos** in the cloud.
- Designed and deployed modular **CloudFormation Templates (CFTs)**, reducing AWS infrastructure setup time from **3 hours to 15 minutes**.

R&D Intern, SAMSUNG PRISM

Dec 2022 - Jun 2023

- Developed a machine learning model to predict the best WiFi access point and exposed it as an API using **Flask**.
- Developed an Android app which selects the best wifi-access point.

ML Intern, G-KnowMe

Nov 2022 - Dec 2022

- Developed an OCR module using **OpenCV** and **Pytesseract** to accurately extract medical report details, with a specific focus on extracting tabular data directly to a CSV.
- Created a **Flask API** that accepts images as input and returns the extracted data in JSON format.
- Deployed the FlaskAPI in AWS server.

PROJECTS

MultiDB Executer

- Developed a secure multi-database migration tool using **NestJS** and **TypeScript**, supporting PostgreSQL, MySQL, and BigQuery with RBAC and encrypted credential management.
- Designed a scalable microservice architecture with secure JWT authentication, metadata tracking, query history management, and comprehensive error handling across multiple database systems.

Thera-Buddy

- Developed a neural network model to predict suicidal/depressive tendencies and deployed it via a **Flask API**.
- Built a Chrome extension to analyze user input and integrated a Dialogflow-powered chatbot for support.

Academic and Extracurricular Achievements

- Received **Engineering award** for my contributions in Hinge Health
- Won national level Hack-A-Thon organized by **PWskills**(Physics Wallah)
- **First Prize** at **GirlGeeks Hackathon** organized by IEEE BMSCE.
- **Third Prize** at state level hackathon **Sentinel Hack** organized by KSIT, Bangalore
- Dean's Praise for being a **branch topper** till 3rd Sem of engineering.