

AJIT J GUPTA

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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, Java, JavaScript, HTML

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

Database: MySQL

Libraries: Numpy, Pandas, Matplotlib, OpenCV, TensorFlow, Scikit-learn

Tools/Technologies: Linux, Git, Jupyter Notebook, Microsoft Azure, Google Colab

WORK EXPERIENCE

SDE Intern, Hinge Health

Aug 2023 - Ongoing

- Working as a ML engineer intern.

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.

R&D Intern, Dassault Systemes La Foundation

Mar 2022-Aug 2022

- Explored and compared different YOLO models and experimented with a CNN-based approach in a project aimed at optimizing object detection performance.
- Developed and deployed models on Raspberry Pi for shrimp identification and disease prediction, enabling real-time decision-making in aquaculture.

PROJECTS

Thera-Buddy

- Developed an neural network model which predicts the suicidal/depressing nature and deployed the model on Flask API.
- Developed an chrome extension which tracks user keyboard input in the browser and analyzes the text using the Flask API.
- A chat-bot powered by dialogflow appears for depressed people.

PharmaBot (e-yantra,IITB)

- Implemented OpenCV to recognize roads, start and end points, and dynamically directed the delivery of unique packages to their respective destinations in a project.
- Utilized CoppeliaSim as the simulation environment for testing and evaluating the project.

Academic and Extracurricular Achievements

- Won national level Hack-A-Thon organized by **PWskills**(Physics Wallah)
- First Prize** at **GirlGeeks Hackathon** organized by IEEE BMSCE.
- First Prize** at **Embeda-thon** organized by IEEE BIT.
- 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.
- Currently rated as **3-Star** coder on **Codechef(C++)**
- Competitive Programming **mentor** at IEEE Computer Society, BMSCE
- Treasurer** of Robotics Club, BMSCE
- Digital Marketing Head** at PENTAGRAM - The Mathematical Society, BMSCE