

Sarvesh Gupta

[Blog](#) [GitHub](#) [LinkedIn](#)

(+91) 787-584-5051

sarveshgupta333@yahoo.com

Experience

- **ThinkDigits AI India Pvt Ltd** Remote, India
Senior Software Engineer May 2022 - Present
 - Provide technical guidance to a **5-member team** while actively contributing to the **design, development, testing, and troubleshooting of VisionIQ AI platform** features.
 - Integrated an **LLM model** with a **REST API using Flask for DashIQ**, enabling intelligent UI interactions with **role-based authorization and rate limiting**.
 - Built an **ETL pipeline for the ask360.ai platform** to transfer **parquet data from S3 to AWS TimeStream DB**. Developed and tested the **Dockerized** pipeline on **EC2**, then deployed it as a containerized service with **AWS ECR and ECS**.
 - Developed **RESTful APIs using Python and FastAPI**, enabling efficient communication between **cloud and edge services**. Integrated **Server-Sent Events (SSE)** for real-time data streaming and utilized **MongoDB** as a data source.
- **Factana Computing Pvt Ltd** Bangalore, India
Lead Developer Feb 2019 – Apr 2022
 - Led an **8-member development team** for the **Fogwing IIoT platform**, actively contributing to **design, development, testing, and troubleshooting** of platform features.
 - Developed and refined the **UI for the Fogwing platform** using **Vue.js and JavaScript**, enhancing responsiveness. Built **40+ APIs for backend services**, primarily with **Flask** and some using **FastAPI**, utilized **Postgres DB** as the data source.
 - Built **real-time data pipeline for streaming** data, tested with thousands of data points. **Optimized efficiency by 8%** through scalable Background jobs using **Celery and RabbitMQ** for real-time calculations and alerts.
- **Enlight India Business Solutions** Bangalore, India
Software Developer Intern Jun 2018 – Feb 2019
 - Developed a **RESTful API using Python and Flask** for an insurance application, leveraging **Google Sheets** as a data store.
 - Built a **chatbot module** to dynamically fetch and process responses from **JSON-based datasets**.

Skills

- **Programming Languages** – Python, JavaScript, SQL
- **Databases/Storages** – PostgreSQL, MongoDB, MySQL, AWS Timestream, S3/Blob
- **Frameworks and Tools** – Flask, FastAPI, VueJS, Celery, JIRA, Express, Node.js, Bootstrap, Micro-services
- **Others** – AWS, Azure, Git, Docker, HTML, CSS, IIoT, Deployment, Nginx, Apache, ETL, Grafana, Lambda, EC2, ECS

Education

- **Datta Meghe College of Engineering** Navi Mumbai, India
Bachelor of Engineering in Electronics Jun 2014 – May 2018

Projects

- **Face Recognition Using Python and OpenCV**
 - Developed a training module using **Pickle and NumPy** library to recognize the face when captures from **OpenCV**. ([GitHub Link](#))
- **Peer to Peer Chat Application**
 - Completed **Server-Client connection** on IP Address using **Python's Socket module**. ([GitHub Link](#))
 - Accomplished **encryption/decryption** of the Messages with **AES – CBC Mode**. ([Blog Link](#))
- **IoT Based Autonomous Robot for Industrial Application**
 - Built an Autonomous Robot with **Arduino Mega and GSM Module** to do assigned operation in the warehouse and inform attendee about status through **SMS**.

Achievements

- Completed a **Leadership Course** and earned a **certification**, enhancing team management and strategic decision-making skills.
- Obtained **Excellence Award twice in Factana**. One given for best performer of the year.
- Published a paper on **Autonomous Robot for Industrial Application**. (ISBN:978-93-5267-422-0)
- Demonstrated project on Autonomous Robot for Industrial Application in **Electrowiz National Level Project Competition**.
- Organized and actively participated in my **college's annual technical and coding fest**.