

Suhail Ahmad Bhat

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EDUCATION

IIT Madras

BS - DATA SCIENCE AND ITS APPLICATIONS

CGPA: 7.1/10

online | 2021-present

Kashmir University

B.C.A - BACHELOR'S OF COMPUTER APPLICATION

CGPA: 8.7 / 10.0

Srinagar, Kashmir | 2019 - 2022

WORK EXPERIENCE

STRIDE.AI | BACKEND ENGINEER

March 2023 - Present

- Developed and maintained **RESTful APIs** using Python and Flask framework to support various web applications, enabling seamless communication between frontend, backend and data science systems.
- Crafted **High-Level Designs (HLDs)** for projects, outlining architectural blueprints and system components to guide development processes.
- Integrated **Celery and Redis** for asynchronous task processing in Python backend systems, improving efficiency and scalability for background tasks like data processing by the Data Science models.
- Designed and implemented **Micro-service architecture** and used **Apache Kafka** to enable real-time data processing.
- Implemented **web scraping** scripts using Python libraries like BeautifulSoup, Selenium, Requests to extract data from websites, enabling automated data collection for one of our client project.
- Engaged in 9 projects, implementing various databases including MySQL, MongoDB, and Weaviate (a vector database). And utilized **Docker** to containerize backend applications
- Implemented company-wide standardization with a base template, **reducing project development time from 2 weeks to 3 days**.
- Mentored interns to foster their growth and development within the team.

IQUSAR SOFTWARE SOLUTIONS | SOFTWARE INTERN

Oct 2023 - Dec 2023

- Developed a Backend using **Node** and **Express JS** for a project to Automate Interview process.
- Developed a Frontend using template engines like **EJS2, Jinja2**.
- Worked with a team of 10 members and developed Soft skills like Team Player, Time Management, Communication.

TECHNICAL PROJECTS

HANDWRITTEN DIGIT RECOGNITION

PYTHON3, MACHINE LEARNING, HTML, CSS

This uses Random Forest Classifier to Recognize the digits written by hand with different styles. Trained the model using MNIST dataset and got an accuracy of 0.97. Used GRADIO interface to develop a web page where we can test our model by drawing an input and letting the model predict the actual label.

FLASHCARD WEB APPLICATION

HTML5, CSS, JS, JINJA2, FLASK, SQLITE, SQLALCHEMY

Flashcards are used for memory training. In this project user can have multiple decks each containing few questions/cards to remember. Core functionalities in this project: User Login, Dashboard, Deck Management.

FURNITURE APP BACKEND

RESTAPIs, FLASK, MYSQL, SQLALCHEMY, JWT AUTH

Developed a Backend server for furniture app. Created Rest APIs using Flask framework. Implemented RBAC and used JWT based authentication to secure the API endpoints. Used SMTP to send email notifications to the users.

SKILLS

Proficient in: Python | Flask | Express | Kafka | HTML5 & CSS3 | SQL | Mongo | MySQL | DSA | Git | Linux | Machine Learning | Docker

Improving myself in: Django | FastAPI | VueJS | AWS | GraphQL | CypressJS | State Management

Have an idea of: NLP | LLMs | CI-CD | Kubernetes