

# Yash Varshney

Tech-Blog

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## EDUCATION

### SHIV NADAR UNIVERSITY

**B.TECH. COMPUTER SCIENCE AND ENGINEERING**

Jul 2023 | Gr. Noida, UP

CGPA: 7.8 / 10.0

### MODERN SCHOOL

**HIGH SCHOOL**

June 2019 | Barakhamba Rd., Delhi

CBSE: 91.6%

## LINKS

Github:// [varshney-yash](#)LinkedIn// [yashvarshney17](#)Leetcode// [17yashvarshney](#)Dockerhub// [pydev360](#)

## COURSEWORK

### UNDERGRADUATE

Data Structures

Algorithms

Computer Networks

Database Management Systems

Machine Learning

Operating Systems

Artificial Intelligence

Natural Language Processing

## SKILLS

### PROGRAMMING

Python • Javascript • C++

### DATABASES

MySQL • PostgreSQL • MongoDB

Django ORM • SQLAlchemy

SQLite

### FRAMEWORKS

Express.js(Node.js) • FastAPI

Django(Django Rest Framework)

### DEVOPS

Docker

### VERSION CONTROL

Git • GitHub

### OTHER

RESTful API Design

Microservices Architecture

Agile Development • Scrum

## WORK EXPERIENCE

### CAREERS360 | JUNIOR BACKEND DEVELOPER

Jul 2023 - Present | Gurugram

- Worked on building new products and enhancements to existing microservices namely User dashboard, Coaching, Colleges and Study-abroad.
- Efficiently translated product documentation and requirements into scalable code.
- Built the in-house ticketing backend microservice from scratch.
- Acted as SPOC for the ML team for backend tasks. Contributed to the spam detection ML pipeline as well as R&D for the in-house chatbot.
- Technologies: **Django, Kafka, MongoDB, PostgreSQL, Docker, Redis**

### CAREERS360 | SOFTWARE DEVELOPER TRAINEE

Jan 2023 – Jul 2023 | Gurugram

- Developed a content management system using FastAPI framework from scratch for internal use by Data and Operations team.
- Bug fixes and feature implementations on several backend microservices built on Django.
- Technologies: **FastAPI, MySQL, Boto(AWS), Jinja**

## PROJECTS

### FAPT SOLUTIONS | FUNDED BY NEWGEN IEDC, IIIT ALLAHABAD

- An HR management tool in MVP stage envisioned to help companies understand their employees better through **AI**. (Proprietary code)
- Project accepted for funding by **NewGen IEDC, IIIT Allahabad** (sponsored by NSTEDB, Department of Science Technology, Government of India).

### BLOOD DONATION APP | NODE.JS,MONGODB,PYTHON | [LIVE DEPLOYMENT](#) | [SOURCE CODE](#)

- Implemented **geospatial indexing** for precise location tracking, optimizing real-time connections between blood donors and recipients.
- Leveraged **NoSQL architecture** with MongoDB to ensure efficient storage and retrieval of user profiles, geospatial coordinates, and preferences, enhancing scalability and flexibility.

### REAL TIME MESSAGING APP | DJANGO-CHANNELS, RABBITMQ

- Enabled real-time messaging with **websockets** (via channels), ensuring instant and bidirectional data flow.
- Integrated RabbitMQ for efficient **message queuing**, enhancing the application's scalability and responsiveness.
- [SOURCE CODE](#)

### PERSONAL BLOG | DJANGO,JAVASCRIPT | [LIVE DEPLOYMENT](#) | [SOURCE CODE](#)

- A full-stack fully featured blog web-app, that implements core backend concepts ranging from **CRUD to object storage**.
- Includes **user authentication system** allowing users to register, log in, and manage their profiles, providing a personalized experience for blog contributors.