

Dushyant Yadav

CS JUNIOR

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Education

BITS Pilani

Pilani, India

BACHELOR OF ENGINEERING (HONS) IN COMPUTER SCIENCE, CGPA: 7.93/10.00

May 2022

- **Course Work** - Data Structures and Algorithms | Database Systems | Object Oriented Programming | Logic in CS | Discrete Mathematics for CS
- **Extra Curricular** - ACM SIG-lectures instructor | Writer at Oasis English Press | Back-end developer at DVM (The college's technical team)

Experience

Postman

Bangalore, India

SOFTWARE ENGINEERING INTERN

Aug. 2020 - Present

- Working on the Postman's new API documentation platform, built on SailsJS and React.

GoLuggageFree

Delhi, India

SOFTWARE DEVELOPER AND SYSADMIN

Sept 2019 - April 2020

- Developed the back-end service (using Express, GraphQL and MongoDB) that powers the company's android app and serves 1600+ customers.
- Automated the deployment of above mentioned service using Docker, docker-compose, git hooks and Sentry.
- Co-developed the first release of the company's android app on React Native.

Pepper Content

Pilani, India

SOFTWARE DEVELOPMENT INTERN

May. 2019 - Aug. 2019

- Developed a REST API using Express and MongoDB for a concept app called 'Charcha' (Instagram for voice).
- Contributed to the development of the cross platform app 'Charcha' (on Flutter).

Projects

Push-based Network State Monitoring

- Used P4 and GoLang to develop a system that allows network switches to send stats to a controller without the need of polling.
- Used this system to implement a method to notify the control plane of network congestion without polling the switches

UniversalCMS

- Used Django and React to develop (with one other teammate) a content management system that can integrate with almost any 'static' website.
- This CMS was adopted by BITS Pilani's ACM chapter for it's official website

Goloca - High Performance Server

- Used GoLang to manually implement a threadpool library.
- Used this library to write a server-side application that can handle 15,000 requests (involving database calls) per minute.

DVM Wallet

- Co-developed the back end API for the official mobile app of BITS Pilani's fests using Django.
- 6000+ students used the app to add money, purchase food and tickets, transfer money, view events and rate food items at fest stalls.

Skills

Languages *Advanced:* JavaScript, Python, GoLang | *Intermediate:* C++, Java, C, SQL, CSS | *Basic:* Shell, Dart
Technologies *Advanced:* Django, Express | *Intermediate:* GraphQL, React, Docker, MongoDB, Neo4j | *Basic:* Kubernetes, Ansible

Teaching and Academic Work

CSD Course Instructor

- Designed and taught a 22-lecture course on server-side software development, under Center for Software Development (CSD), BITS Pilani.

Teaching Assistant, SDET Lab

- Assisted with the development of software used by the college

Additional Details

Spoken Languages *Native proficiency:* Hindi | *Professional proficiency:* English

Achievements KVPY Scholar 2018 | All India Rank 748 in JEE (Advanced) 2018