Dushyant Yadav

CS Junior

☏ (+91) 63776 53833 | ✉ dushyant9309@gmail.com | 🏠 dushyant.tech | ⌂ dush-t | in dushyant9309

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
- Implemented a thread-pool library manually using **GoLang**.
- 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