HARSH JAISWAL

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EDUCATION

Netaji Subhash University of Technology (NSUT), Dwarka, New Delhi   Grade: 7.90
  Masters in Technology ◦ *August* (*2023*) *– pursuing (2025)*
  Major: Computer Science and Engineering
DY Patil School of Engineering and Technology, Pune, Maharashtra   Grade: 9.04
  Bachelors in Technology ◦ *August* (*2019*) *– June* (*2023*)
  Major: Computer Engineering

WORK EXPERIENCE

The DataCompany, Remote
- *Backend Development Intern* [*04/2023 – 07/2023*]
  - ◦ Engineered a complete application overhaul, transitioning to an API-driven system; spearheaded API integration with AWS S3, DynamoDB, MongoDB, SQL, and ERPs, driving seamless cross-platform communication and enhancing operational efficiency.
- *Django Development Intern* [*05/2022 – 07/2022*]
  - ◦ Focused on developing secure authentication functionalities, including Login, Signup, and Password Reset, while incorporating OAuth 2.0 for enhanced user experience. Additionally, worked extensively on APIs and utilized technologies such as Django, Python, HTML, CSS, and JavaScript.

SKILLS & COURSEWORK   [GitHub]

Languages and Frameworks: Python, Rust, JavaScript, C, Django, FastAPI, Flask, Actix-Web
Databases and Cloud: PostgreSQL, MongoDB, Redis, AWS, Microsoft Azure
Development tools and Technologies: Rest APIs, Celery, Web sockets, SOAP, Linux, Docker, NGINX, Kafka
Coursework: Machine Learning, DSA, Operating System, Distributed Systems, Computer Vision, MATLAB

PROJECTS

pandas-pouch – Distributed Caching Solution | Rust   [GitHub]   *working*
- ◦ Designing and developing a distributed caching service using Rust, ensuring high performance, scalability, and reliability. Implementing a load balancing algorithm to distribute cache requests efficiently across multiple nodes. Utilizing Rust's ownership model and borrow checker to guarantee memory safety and prevent data races.
- ◦ Stack: *Rust, gRPC, Tokio, PostgreSQL, Docker, NGINX*

DocFlow – Document Management API | FastAPI   [GitHub]   *07/2023 – 01/2024*
- ◦ Architected DocFlow, a cutting-edge Document Management API, to streamline document processes by enabling seamless uploading, downloading, organization, versioning, sharing, and previewing, enhancing efficiency and effectiveness for all users.
- ◦ Stack: *Python, FastAPI, PostgreSQL, AWS (S3, EC2), Docker, NGINX*

VidVortex | Rust   [GitHub]   *01/2024 – 03/2024*
- ◦ A command line utility, for retrieving total video length in current directory and its sub-directories.
- ◦ Stack: *Rust*

BuildMyResume | Django   [GitHub]   *04/2022 – 02/2023*
- ◦ Empowers to effortlessly create professional resume utilizing various templates. Key features allow users to dynamically customize their resumes and seamlessly generate PDF versions for easy distribution.
- ◦ Stack: *Django, Python, HTML, CSS and JavaScript*

Ayur | FastAPI   *03/2023 – 03/2023*
- ◦ Spearheaded the development of Ayur, a groundbreaking Health Card application designed to provide users with instant access to their comprehensive medial history via a single QR scan.
- ◦ Took charge of API endpoint development and MongoDB schema design, ensuring seamless integration and efficient data retrieval.
- ◦ Stack: Python, FastAPI, MongoDB

BlogItOrNot | Django   [GitHub]   *12/2021 – 02/2022*

ACTIVITIES AND ACHIVEMENTS

Winner of QUASAR Hackathon 2023 | Project Ayur   [Certificate]
A 24 hr Hackathon with around 350 teams selected, and 12 teams shortlisted for power judging and won the competition, with cash price of $183.

Languages | English (Professional, Business Level), Japanese (Qualified JLPT N5 – Certificate)