




# YASH PATHAK

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


## EDUCATION

- International Institute of Information Technology, Hyderabad** July 2022 - Present  
*Master of Technology (M.Tech) - Computer Science and Engineering* CGPA: 7.88
- International Institute of Information Technology, Pune** July 2015 - June 2019  
*Bachelor of Engineering (B.E) - Computer Science* CGPA: 8.48

## EXPERIENCE

- Teaching Assistant (Software Systems Development) - IIIT Hyderabad:** July 2023 - Present
  - Responsible for grading coursework. Conducting weekly tutorials and lab sessions, improving average scores and assignment completions of students.
  - Course Topics: Linux Fundamentals, Shell Scripting, SQL and NoSQL, Web Development (HTML, CSS, JS), OO Design and Concepts, Python, Flask, System Design
- Senior Systems Engineer - Wingspan, Infosys Limited:** Oct 2021 - Jul 2022
  - Led multiple teams and reduced development time through cross-team collaboration, streamlined processes, and optimized resource allocation, leading to a 27% increase in delivery speed.
  - Managed PostgreSQL servers and Elasticsearch clusters with a focus on data resilience. Streamlined procedures for routine tasks such as updates, data migrations, and vulnerability checks and resolutions. Eg: Log4j vulnerability in 2021.
  - Influenced system design and architecture-related discussions for new and existing reporting and analytic features resulting in more efficient solutions across 10+ product instances.
- Systems Engineer - Wingspan, Infosys Limited:** Sept 2019 - Oct 2021
  - Created multi-tenant dynamic reporting and user/role management applications, utilizing both SQL and NoSQL database engines. Scaled and optimized these applications, increasing concurrent user capacity by 300%.
  - Developed low-latency, high-availability Python RESTful APIs using Flask, gained knowledge of Pythonic conventions (PEP) and awareness about the wider Python ecosystem - licensing, etc.
  - Worked on building ETL Pipelines for industry-scale data, managed these jobs, and ensured compliance with data privacy regulations by maintaining regular contact with the data privacy team.

## PROJECTS

-  **Decentralized Personal Health Record (PHR) System:**  Blockchain, React, NodeJS, Solidity, IPFS  
A user-first solution that leverages blockchain to ensure the secure storage and management of patient health records on a decentralized network, guaranteeing data integrity and privacy. Incorporated DeFi to support payment settlements.
-  **Unsupervised Multi-Document Summary and Analysis:**  ML, NLP, Deep Learning  
A text-based multi-document summarizer that uses unsupervised learning. It explores alternative summarization methods while conducting a thorough analysis of the outcomes.
-  **Avishkar - IoT Platform:**  Python, AWS, Docker, Nginx, React  
A distributed Platform as a Service (PaaS) for deploying IoT applications. Offers capabilities such as load balancing, fault tolerance, monitoring, and more. It enables on-demand deployment, effectively minimizing infrastructure needs for developers.
-  **Linux File Explorer System:**  C, C++, Linux, System Calls  
A text-based file explorer designed specifically for the Linux operating system, providing users with a command-line interface to navigate and manage their file systems. It can handle various file paths and commands through Linux system calls.

## SKILLS

- Languages:** Python, C++, Java, JavaScript, SQL, Bash, Solidity
- Frameworks:** Django, Flask, Spring Boot, NodeJS, React, Angular
- Tools:** Docker, Git, PostgreSQL, ELK Stack (Elasticsearch, Logstash, Kibana), Kafka, Nginx

## PUBLICATIONS & ACHIEVEMENTS

- Microsoft Azure and .Net Fundamentals - March 2016**  
Completed workshop organised by IIIT Pune in association with Microsoft Student Partners (MSP).
- "Personalized Outfit Recommendation System"**  
Co-authored paper and was featured in the *International Journal of Multidisciplinary* (Vol.03, Issue 12, 2018).
- Infosys RISE Insta Award - June 2021**  
Recognition for contributions to data security and compliance via Microsoft MIP implementation on reports.

## VOLUNTEER EXPERIENCE

- Member of Personality Development Club (PDC), IIIT Pune** Jul 2017 - Jun 2019  
Managed online and offline technical & soft-skills training sessions impacting over 1,000 students.
- Member of Public Relations (PR) Committee, IIIT Pune** Jul 2016 - Jun 2019  
Planned and hosted events and workshops that engaged with a community of more than 3,000 developers.