

# Ijlal Furqaan

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🔗 <https://github.com/IjlalFurqaan>

## Profile

I am a passionate Master's student in CS who loves diving into full-stack development and system optimization. I enjoy building scalable apps with RESTful APIs, testing them and solving complex problems with a creative twist, and always finding new ways to learn and innovate.

## Education

2024/04 – 2026/04 Hesse, Germany	<b>Masters in Computer Science</b> <i>The Philipp Universität Marburg</i>
2017/07 – 2021/08 Hyderabad, India	<b>Bachelor of Engineering CSE</b> <i>University college of engineering, Osmania University</i>

## Work Experience

2021/09 – 2024/01 Pune, India	<b>Software Engineer</b> <i>Mphasis</i> <ul style="list-style-type: none"><li>Designed and implemented a course enrollment system using Node.js, React, and RESTful APIs, with React.memo and lazy loading boosting engagement by 30%.</li><li>Developed a feature-rich dashboard with React functional components for efficient fresher profile tracking and performance evaluation.</li><li>Built secure modules for portfolio summaries, capital transfers, and user management on the JPMC Next-Gen Portal using advanced React state management and custom contexts.</li><li>Automated routine tasks via Python and shell scripting in a Linux environment, integrating pytest-based unit tests to ensure robust code quality .</li></ul>
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## Skills

HTML5 • CSS3 • Javascript • Tailwind CSS • React • Redux • C++ • MS-Office • Bootstrap • Python • SQL • RESTful API design • TypeScript • GitHub • Git • JavaScript (Node.js, Express.js)

## Projects

### Blood Bank Management System

- Built an end-to-end platform to manage donor data, blood inventory, and donation records in real time.
- Technologies used:** Node.js, Express, MongoDB, React.

### Bat Tracking

- Developed a real-time detection and tracking system to monitor bat flight patterns using the YOLO algorithm.
- Technologies used:** Python, YOLO, OpenCV, Flask

## Certificates

- Introduction to Python Programming – Microsoft
- Information Security Management System
- Front-End Development-Devsnest
- Project Management for Software Development – MSG
- React-HackerRank
- Data Privacy, GDPR & CCPA Awareness