# Mustafiz Kaifee Mumtaz

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## EDUCATION

**National Institute of Technology, Jamshedpur - Bachelor of Technology** — Jamshedpur, India
*Metallurgical and Material Science (Minor in Computer Science)* — *Aug 2017 - May 2021*

## EXPERIENCE

**MediBuddy** — Bengaluru, India
*Software Development Engineer* — *April 2022 - Present*

- **Ayushman Bharat Health Account (ABHA)**: Led ABHA, an initiative by the Indian government, centralising health record access and securing medical history, improving patient data privacy, and streamlining care processes. Achieved over 150,000 ABHA ID creations and 120,000 linkages, integrating key features for MediBuddy's certification by the NHA.
- **Unified Health Interface**: Developed an interface that works with PayTM, Driefcase, Practo, and other organisations to offer instant access to online and offline healthcare services, resulting in a 25% increase in consultations.
- **CoWIN**: Integrated CoWIN within MediBuddy for efficient COVID certificate management, resulting in over 100,000 downloads.
- **Offline Consult**: Developed a consultation service to boost in-person medical appointments, leading to a 200% rise in just three months.

**Axis Bank Freecharge** — Mumbai, India
*Graduate Engineer Trainee* — *January 2021 - April 2022*

- **Failure Retrial Mechanism and Payment Integrity**: Created a microservice using AWS SQS to automate failure retrials and detect duplicate payments, reducing manual checks and improving customer satisfaction by 93%.
- **Payment Integration**: Integrated the Razorpay payment gateway to ensure seamless transaction processing, resulting in 50% fewer failures than Juspay.
- **Referral System**: Designed a referral system with Node.js-MongoDB, boosting income by 25% over a year.
- **Architectural Optimisation**: Refactored system architecture resulting in a 40% improvement in performance, 30% reduction in costs, and optimized CPU usage, decreasing average load by 50%.

## PROJECTS

- **Personal Website Portfolio** — *March 2024 - Present*
  - Built a personal website to share weekly insights on software engineering topics like design patterns, low-level design, and high-level design with code snippets.
  - **Key Technologies:** NextJs, Vercel, MDX.
  - **Link:** [mustafizkaifee.in](https://mustafizkaifee.in)

- **CodeSyncer Chrome Extension** — *February 2022 - April 2022*
  - Built a Chrome extension that streamlines coding practice by automatically synchronizing submissions from LeetCode and GeeksforGeeks to GitHub, saving developers an average of 5 hours per week on code organisation and enhancing accessibility for users through web scraping.
  - **Key Technologies:** HTML, CSS, JavaScript.
  - **Link:** [chrome.google.com/codesyncer](https://chrome.google.com/codesyncer)

## ACTIVITIES AND LEADERSHIP

- **GirlScript Summer of Code** — *March 2020 - Present*
  - **Mentorship:** Mentored juniors in the backend, focusing on cron jobs, reviews, and DB optimisations. Achieved a 70% code quality improvement and 82% in query efficiency.
  - **Open Source Contribution:** Contributed to open-source projects, resolving over 20 bugs in validator.js and leading feature development in monkeytypegame, enhancing functionality for 10,000+ users.

## SKILLS

- **Programming Languages:** JavaScript, TypeScript, Python, Java
- **Web Technologies:** HTML, CSS, React.js, Next.js
- **Backend Technologies:** Nest.js, Node.js, Caching, JWT, Kafka
- **DevOps and Tools:** CI/CD, Docker, Git, GitHub Actions, GitLab, Jenkins
- **Databases:** MySQL, MongoDB, Elasticsearch
- **Cloud Services:** ECS, S3, Lambda, SQS, SNS, CodePipeline, Athena, Glue
- **Data Visualisation and Analysis:** Retool, Superset
- **Design Principles & Methodologies:** Design Patterns, Object-Oriented Programming, REST API Design, Microservices Architecture