PDF Diff Report

Changes: 34 / Total blocks: 46
Words inserted: 281 | Words deleted: 285

1. paragraph | unchanged | old_index=0 new_index=0

Words: +0 / -0

MUNTASIR MALLIK Portfolio

2. paragraph | unchanged | old_index=1 new_index=1

Words: +0 / -0

GitHub

3. paragraph | unchanged | old_index=2 new_index=2

Words: +0 / -0

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4. paragraph | modified | old_index=3 new_index=4

Words: +1 / -1

EDUCATION Techno India University, India Jul 2022 - ■ Jun 2026 Bachelors in Technology, Computer Science Engineering. CGPA: 8.5

5. paragraph | modified | old_index=4 new_index=5

Words: +7 / -6

EXPERIENCE Quokka For Good, Lead Full Stack Developer, Quokka For Good Developer Jan 2025 - Present ■ Aug 2025 Part Time Remote, United States

6. paragraph | modified | old_index=5 new_index=6

Words: +1 / -1

● Led development of a cross-platform cross■platform email/newsletter reader, inbo.club for web, android and iOS, to serve over 10,000 users with inbox syncing and modular UI architecture using Next.js and React Native, reducing production time by 25%.

7. paragraph | deleted | old_index=6 new_index=None

Words: +0 / -19

● Collaborated with designers and 5+ testers to ensure visual consistency and complete flow coverage, reducing rework by 20%.

8. paragraph | added | old_index=None new_index=3

Words: +44 / -0

SUMMARY Full Stack Engineer (2 years) focused on building performant, scalable applications with React, Node, Python and LLM■based systems. Experienced in leading and contributing to real■world AI products and open■source initiatives. I thrive in fast■paced teams and enjoy turning product ideas into robust solutions.

9. paragraph | unchanged | old_index=7 new_index=7

Words: +0 / -0

● Engineered email processing infrastructure using Postfix, Amazon SES, and Gmail API, processing 200,000+ emails/month through serverless pipelines using Azure Functions, Blob Storage, and Azure Files.

10. paragraph | modified | old_index=8 new_index=8

Words: +8 / -10

● Delivered a streaming response experience for newsletter summaries to reduce bounce rate by 50%; collected and analyzed structured user interaction data to support future monetization strategies. reading habits for 30% increase in revenue.

11. paragraph | modified | old_index=9 new_index=9

Words: +2 / -7

● Designed memory-efficient memory■efficient Docker containers and modular backend services, reducing in-house in■house infrastructure costs across AWS, Azure, and DigitalOcean by 30%; also included monitoring and system health checks to support production stability.

12. paragraph | modified | old_index=10 new_index=10

Words: +9 / -4

● Created Newslettermart.com, a B2B chat-driven chat■driven platform enabling seamless ownership transfers of newsletter businesses, with integrated polling-based messaging. polling■based messaging for a 20% higher conversion rate.

13. paragraph | deleted | old_index=11 new_index=None

Words: +0 / -12

Full Stack Developer, Open Source Oct 2023 - Present Part Time Remote

14. paragraph | deleted | old_index=12 new_index=None

Words: +0 / -85

● Google Summer of Code – AOSSIE.org, ■ Discussed with 5+ global contributors to define system design, LLM workflows, and modular structure. ■ Constructed a Retrieval-Augmented Generation (RAG) module using vector-based search and LLM integration, following an event-driven architecture. ■ Engineered a real-time messaging FastAPI backend using WebSocket (Pub/Sub) and WebRTC, enabling low-latency communication with sent, delivered, and seen status tracking. ■ Built the chat interface with real-time rendering, user search, and presence indicators, using Redis-cached last seen and infinite scroll for smooth history loading.

15. paragraph | deleted | old_index=13 new_index=None

Words: +0 / -48

● Google Summer of Code – C2SI.org, ■ Enhanced real-time collaboration features by optimizing Firestore-based user updates and restructuring the nested comment system, improving consistency, and threading stability by 80%. ■ Containerized the local development environment using Docker, reducing contributor setup time by ~50% and improving cross-system consistency.

16. paragraph | modified | old_index=14 new_index=14

Words: +3 / -3

Keyshade.xyz, Backend Developer, Keyshade.xyz Developer Nov 2024 - ■ Jan 2025 Internship Remote, Kolkata

17. paragraph | deleted | old_index=15 new_index=None

Words: +0 / -19

● Proposed a new feature in the CLI, enabling users to seamlessly upload secrets directly from the `.env` file.

18. paragraph | modified | old_index=16 new_index=16

Words: +1 / -1

● Enhanced Extended API client package by introducing a module controller, enabling the frontend to interact directly with the backend without explicitly calling endpoints.

19. paragraph | modified | old_index=17 new_index=17

Words: +1 / -1

● Created a Next.js app to efficiently scan for secrets leaked in GitHub repositories with HTTP-streaming HTTP■streaming response.

20. paragraph | added | old_index=None new_index=11

Words: +13 / -0

Open Source, Full Stack Developer Oct 2023 ■ May 2025 Part Time Remote

21. paragraph | added | old_index=None new_index=12

Words: +90 / -0

● Google Summer of Code – AOSSIE.org, ■ Collaborated with 5+ global contributors to define system design, LLM workflows, and modular structure. ■ Implemented a Retrieval■Augmented Generation (RAG) module using vector■based search and LLM integration, following an event■driven architecture for scalability. ■ Engineered a WebSocket■based messaging backend in FastAPI with Redis Pub/Sub and WebRTC, handling 1000+ concurrent users and full message lifecycle (sent, delivered, seen). ■ Built the React chat interface with real■time rendering, user search, and presence indicators, using Redis■cached last seen and infinite scroll for smooth history loading.

22. paragraph | added | old_index=None new_index=13

Words: +43 / -0

● Google Summer of Code – C2SI.org, ■ Optimized real■time collaboration features with proper Firestore■based user updates and restructured the nested comment system, improving consistency, and threading stability by 80%. ■ Containerized the development environment using Docker, reducing contributor setup time by 50%.

23. paragraph | added | old_index=None new_index=15

Words: +20 / -0

● Proposed a CLI feature for enabling users to upload secrets from the .env file, lowering setup time by 40%.

24. paragraph | unchanged | old_index=18 new_index=18

Words: +0 / -0

● Implemented Zod schemas with 90% unit test coverage to ensure validation of request and response data.

25. image | deleted | old_index=19 new_index=None

(no word diff)

26. image | deleted | old_index=20 new_index=None

(no word diff)

27. image | deleted | old_index=21 new_index=None

(no word diff)

28. paragraph | modified | old_index=22 new_index=19

Words: +4 / -7

PROJECTS inPay | inPay, Full Stack Developer Aug 2024 - ■ Sep 2024 A Feature-rich large-scale Feature■rich large■scale P2P Payments Hub. Website Source Code (100 Users) Next.js | Express.js | Jest | Microservices | OpenAPI | GitHub Actions | Prisma | Socket.IO | Recoil | PostgreSQL

29. paragraph | unchanged | old_index=23 new_index=20

Words: +0 / -0

● Automated workflows for tests, builds and deployment to Azure, achieving a 20% faster production release.

30. paragraph | deleted | old_index=24 new_index=None

Words: +0 / -16

● Dockerized apps for easier contribution setup and development, leading to a 10% developer productivity boost.

31. paragraph | deleted | old_index=25 new_index=None

Words: +0 / -17

● Arranged Socket.IO integration for real-time chats and notifications, resulting in a 30% increase in user engagement.

32. paragraph | deleted | old_index=26 new_index=None

Words: +0 / -15

● Architected Webhooks and Redis Queues for Bank Payments, speeding up transaction processing by 40%.

33. paragraph | modified | old_index=27 new_index=22

Words: +1 / -6

● Optimized queries with caching and chat message queuing, cutting database load by 50% and boosting response times 30%. 50%.

34. paragraph | added | old_index=None new_index=21

Words: +25 / -0

● Built real■time infra with Socket.IO for chats and Redis■queued Webhooks for payments, leading to a 30% rise in engagement and 40% faster transaction processing.

35. paragraph | unchanged | old_index=28 new_index=23

Words: +0 / -0

● Executed advanced calculations for balance and payment histories, translating data into interactive charts with Recharts that improved accessibility of financial information by 20%.

36. paragraph | modified | old_index=29 new_index=24

Words: +3 / -4

HelioTask | HelioTask, Full Stack Developer Aug 2024 A Kan-ban Kan■ban based Task Manager. Website Source Code Next.js | Shadcn | Express.js | Nest.js | Flask | Tailwind | Recoil | React| Django | Vercel MongoDB | Git

37. paragraph | unchanged | old_index=30 new_index=25

Words: +0 / -0

● Crafted drag and drop feature for task status updates, boosting task management efficiency by 20%.

38. paragraph | unchanged | old_index=31 new_index=26

Words: +0 / -0

● Established task filtering and sorting by status, priority, and due dates, improving task organization by 25%.

39. paragraph | modified | old_index=32 new_index=27

Words: +2 / -1

● Cookie Designed cookie based authentication system for higher security.

40. paragraph | unchanged | old_index=33 new_index=28

Words: +0 / -0

TECHNICAL SKILLS

41. paragraph | modified | old_index=34 new_index=29

Words: +1 / -1

● DSA/CP : LeetCode- LeetCode■ 500 problems

42. paragraph | unchanged | old_index=35 new_index=30

Words: +0 / -0

● Languages: C, C++, Java, Python, Javascript, Typescript, Go.

43. paragraph | unchanged | old_index=36 new_index=31

Words: +0 / -0

● ML/AI: OpenAI, LangChain, Hugging Face, TensorFlow, Pandas, AI Agents.

44. paragraph | modified | old_index=37 new_index=32

Words: +2 / -1

● Others: Docker, Kubernetes, Terraform, Jenkins, TravisCI, GraphQL, gRPC, Azure, AWS, GCP, Vercel, Firebase, Stripe, Prometheus, Grafana, Redux, Framer Motion, React, React Native, FFMpeg, Figma.

45. image | deleted | old_index=38 new_index=None

(no word diff)

46. image | deleted | old_index=39 new_index=None

(no word diff)