Mitesh Paliwal

📞 700-032-0733 ✉ paliwalmitesh2110@gmail.com in linkedin.com/in/miteshp2110 ○ github.com/miteshp2110

Education

KL University   **2022 – 2026**
Bachelor of Technology in Computer Science   *Vijayawada, Andhra Pradesh*

Himalaya International   **2019 – 2021**
Intermediate in Science, Mathematics   *Ratlam, Madhya Pradesh*

Professional Summary

Aspiring Full-Stack Developer passionate about scalable solutions, microservices, system design, and cloud-native development. Skilled in building efficient applications, optimizing performance, and leveraging modern web technologies for robust, high-performance solutions.

Projects

Nodejs Exception Handler | *Node.js, RabbitMq, MongoDB, React, Llama3*   **January 2025**
- Developed and published an NPM package to handle and notify about exceptions in Node.js applications.
- Implemented RabbitMQ for event-driven asynchronous communication, ensuring seamless error handling.
- Integrated Llama 3 to generate debugging solutions and notify users via email for faster issue resolution.
- Built a React-based dashboard with GSAP for API key management and tracking past exceptions.

Authorization Microservice | *Node.js, Redis, MySQL, RabbitMq*   **December 2024**
- Designed a centralized authorization service, decoupling authentication and access control from business logic.
- Optimized response time by 30% using Redis as an in-memory cache and implemented rate limiting.
- Integrated OAuth2 authentication with Google and GitHub for secure user access.

Project Management System | *Java, Spring Boot, React, MySQL, Docker, AWS*   **November 2024**
- Engineered a scalable microservices-based project management system using Spring Boot.
- Built a dynamic React dashboard enabling project creation, mentor selection, chat, and feedback.
- Used Hibernate ORM for efficient database interactions and seamless entity mapping.
- Containerized microservices with Docker and deployed on AWS ECS for scalability.

Retrieval-Augmented Generation (RAG) | *Python, Llama3, Pinecone, Gradio, Hugging Face*   **October 2024**
- Implemented a Retrieval-Augmented Generation (RAG) pipeline to improve GitHub's repository query resolution.
- Extracted and chunked textual content from HTML using BeautifulSoup for efficient processing .
- Used Pinecone's vector database to store embeddings for fast contextual similarity search.
- Built a Gradio-based frontend, integrated with Llama 3, and deployed on Hugging Face Spaces.

Technical Skills

Languages: JavaScript, Java, HTML/CSS, Python, SQL
Developer Tools: VS Code, IntelliJ, PostMan, WebStrom
Technologies/Frameworks: React, Node.js, Spring Boot, RabbitMq, Redis, AWS, Azure, Docker

Certifications

Amazon Web Services
Certified Cloud Practitioner
- Gained experience in cloud development and associated technologies to design and build cloud-native applications, leveraging scalable architecture, containerization, and microservices.

Red Hat
Enterprise Application Developer
- Acquired skills in developing robust, scalable services using ORM mapping, database optimization, and cloud-native technologies, aligned with the Red Hat Enterprise Application Developer certification.

Job Simulation
JP Morgan
- Gained insights into industry practices and learned about JPMorgan's Perspective a visualization software, along with hands-on experience with WebSocket protocols for real-time communication.