VIKASH KUMAR SINGH

Sherpur Bahori, Mahua, Vaishali (Bihar)

8409792083 | vikashkumarsingh8352@gmail.com | LinkedIn
GIthub

Professional Summary

Aspiring Java Engineer with a strong foundation in Java-based application development and cloud technologies. Completed an internship at Celebal Technologies, gaining practical experience in system administration and open-source tools. Certified in Red Hat System Administration and Google Cloud Development, with a focus on building scalable and secure applications. Eager to apply development skills and problem-solving abilities in a Software engineering role.

Technical Skills

- **Programming Languages:** Java, C, C++, Python
- **Cloud Platforms:** AWS, Google Cloud
- **Development Tools:** Android Development, Firebase, Postman, Docker, Git, RESTful APIs
- **Certifications:** Red Hat Certified System Administrator (RHCSA) – ID: 230-080-798, Google Cloud Developer Certified, NPTEL Certification in Operating System

Education

Arya College of Engineering and IT, Rajasthan Technical University — **Sep 2021 - Apr 2025**
B.Tech, Artificial Intelligence and Data Science (GPA: 8.1) — *Jaipur*

R.N. College, BSEB — **Apr 2019 - Mar 2021**
Senior Secondary Education (GPA: 6.32) — *Hajipur, Bihar, India*

UMS Parmanandpur, BSEB — **Apr 2018 - Mar 2019**
Secondary Education (GPA: 8.1) — *Parmanandpur, Mahua, Bihar*

Internship Experience

Celebal Technologies | *RedHat Intern* — **Jun 2024 - Sep 2024**

- Explored Linux system administration fundamentals, including shell scripting and server configuration, leading to improved efficiency in managing server tasks.
- Configured servers and administered systems in lab environments using Git enhancing practical skills in system management.
- Gained hands-on experience with open-source tools and methodologies, contributing to collaborative projects and deepening understanding of open-source ecosystems.

Projects

Zorvik-Ai | Github | *Arya College of Engineering and IT* — **Jan 2025 - Apr 2025**

- Developed a high-performance backend using FastAPI and Uvicorn, enabling efficient processing of API requests for AI-powered chat and machine translation of pseudo language using multi-model APIs.
- Integrated Firebase Firestore for real-time storage and retrieval of chat data, prompt storage, and code snippets, ensuring seamless data management for interactive features.
- Designed and implemented API endpoints to support next-word prediction and prompt storage, optimizing backend logic for real-time AI-driven responses.

E-Shop (E-Commerce Application) | Github — **Jan 2023 - Apr 2023**

- Developed a secure and user-friendly e-commerce mobile application using Java and Firebase for real-time authentication and database integration.
- Implemented a seller verification feature allowing users to authenticate their identity before listing products, ensuring platform trust and reducing fraudulent listings.
- Integrated a payment gateway with Easy UPI Payment library, enhancing transaction security and reducing payment-related issues by 50%.

Weather App — **Jul 2023 - Aug 2023**

- Developed a mobile weather application in Java, leveraging the OpenWeatherMap API to display real-time weather updates.
- Implemented location-based weather services, enhancing the user experience by providing accurate and personalized weather information.

SecureChat — **Feb 2024 - Apr 2024**

- Created a real-time chat application leveraging Java and Firebase, offering seamless and anonymous user communication.
- Secured user privacy with end-to-end encryption using xsalsa20 instead of traditional AES-256, ensuring robust data protection.