Abhishek Kumar Yadav

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Professional Experience

- **Cognizant Technology Solutions** *09/2023 - Present*
  Programmer Analyst - Java, Spring Boot, Hibernate, Microservices, SQL Server, Azure, PlayWright Noida, Uttar Pradesh
  - Designed and implemented **RESTful APIs** with modular architecture ensuring reusable and scalable backend services.
  - Built APIs for preferences management, contact details, and message history with comprehensive **CRUD operations** for admin functionality.
  - Optimized API performance, achieving **30% improvement** in response times.
  - Resolved production bugs and issues with **efficient troubleshooting**, ensuring continuous system uptime and stability.

- **Cognizant Technology Solutions** *03/2023 - 08/2023*
  Intern - Java, Spring Boot, Hibernate, MySQL, Microservices Noida, Uttar Pradesh
  - Developed a **discussion forum application** with features like **user signup/login**, password reset, posting questions, and submitting answers, secured with **JWT authentication**.
  - Won the **GenC Super Squad award.**

Personal Projects

- **edorbit** | *Java, Spring Boot, Hibernate, ReactJS, TypeScript, ThreeJS, HeroUI, GCP, Maven, SMTP* *Live*
  To visualize the educational content with the help of 3D Objects.
  - Built a **3D visualization platform** for complex diagrams using **Java**, **Spring Boot** with MySQL database, and React frontend with **ThreeJS/R3F** for rendering interactive 3D GLB models.
  - Implemented comprehensive user management system featuring **role-based authentication**, JWT tokens, email verification, magic link login, reCAPTCHA security, and user interaction features including search, favorites, and analytics tracking.
  - Configured **CI/CD pipelines** using **GitHub Actions** for automated deployment of frontend and backend services to **Google App Engine**.

- **Bhraman** | *Java, XML, TensorFlow, Python, Firebase, Android Studio, Gradle* *GitHub*
  An AR app showcasing Indian heritage with real-time 3D models.
  - Built a **Java** backend with **Firebase integration** featuring user authentication, **search functionality**, profile management, and viewing history for 3D monuments .
  - Implemented **TensorFlow-based CNN algorithm** for image scanning in machine learning model.

Technical Skills

Languages: Java, TypeScript, JavaScript, Python, HTML, YAML, XML, CSS
Backend: Spring Boot, Spring Core, Spring MVC, Spring Data JPA, Hibernate, Spring, Node.js, Redis
Frontend & Libraries: ReactJS, Tailwind CSS, Axios, Lombok, TensorFlow, Playwright, Rest Assured
Databases: MySQL, SQL Server, Firebase RT DB
DevOps & Tools: Git, GitHub, GitHub Actions, Docker , Maven, Gradle, JUnit, Swagger, Vite, Selenium
Cloud: Azure, Google Cloud Platform
Areas of Interest: Artificial Intelligence, Visualization Tools
Others: Multi-threading, Design Patterns, Low Level Design, High Level Design, Microservices, Agile, Kafka

Achievements

- Solved **200+ Data Structures and Algorithmic problems** on coding platforms such as **LeetCode** and GFG
- **Best Academic Project** Award (2019 - 2023) - SRMCEM
- Grand Finalist - Smart Indian Hackathon

Education

- **Shri Ramswaroop Memorial College of Engineering and Management, Lucknow** *2023*
  Bachelor of Technology - CSE CGPA: **8.33**

- **Hewett Polytechnic Lucknow** *2019*
  Diploma in Information Technology Percentage: **75%**