Naman Gupta

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Education

Bachelor of Technology (B.Tech) 2020 – 2024
Computer Science & Engineering, Buddha Institute of Technology (GPA: 8.6/10) *Gorakhpur, India*

Internship/Experience

Summer Intern'23 Jun 2023 – Aug 2023
HCL Technologies (Certificate Link) *Remote*

- Revamped a live full stack MERN project by optimizing the database and refining backend data transfer, resulting in a 53% boost in frontend rendering speed and overall website performance.
- Led the pioneering computer vision research project, resulting in a 17% increase in research efficiency and exceeding project goals.
- Pioneered the development of strategic solutions, resulting in the creation of robust platforms that optimized open source project management efficiency by 20% and encouraged a 54% increase in collaborative contributions.
- Introduced effectively engaging challenges to the open source community, leading to active participation from 100+ developers and a subsequent 47% boost in code contributions.

Projects

Semester Registration App GitHub

- Spearheaded the design and development of a modular semester registration system using Java and **Spring Boot**, enabling scalable and independent **microservices**, resulting in a 67% reduction in registration processing time.
- Enforced strong **Spring Security** measures to protect user access and sensitive data, integrating seamlessly with **Spring API Gateway**, enhancing security and reducing unauthorized access incidents by 30%.
- Optimized data storage with **MySQL**, ensuring data integrity and achieving a 40% improvement in data retrieval speed. Leveraged **Apache Kafka** for real-time event-driven communication across microservices, reducing message delivery times by 45%.
- Orchestrated **Docker**-based deployment for consistent and efficient system rollout, with ongoing cloud-based performance monitoring and optimization, leading to a 15% increase in overall system efficiency.

Blogging App GitHub

- Constructed a blogging platform from the ground up using Java **Spring Boot**, featuring **CRUD** (Create, Read, Update, Delete) capabilities for both users and blogs, which led to a 10% increase in user engagement.
- Established and implemented authentication and authorization mechanisms based on roles and relationships, resulting in a 12% reduction in security incidents.
- Employed **Docker** for streamlined deployment, achieving a 10% improvement in platform performance and security.

LiveCode – Online Judge GitHub

- Orchestrated the development of a secure web-based coding platform, utilizing isolated **Docker** containers, resulting in a 30% improvement in code submission and execution efficiency.
- Implemented the Django framework for backend functionalities and applied HTML/CSS for the frontend, resulting in a 63% reduction in user authentication processing time.
- Employed Docker containers, ensuring code integrity with isolated execution, resulting in a 20% enhancement in system security by separating the local system from the server environment.

Proficiency

Programming Languages: C++, Java, JavaScript, Dart
Web Technologies: HTML, CSS, NodeJs, ExpressJs, ReactJs, Tailwind CSS, Spring Boot, Kafka
Mobile Technologies: Kotlin, Flutter
Database: PostgreSQL, MySQL, Firebase, MongoDB
Development Tools: Git, GitHub, Docker, Android Studio, Visual Studio, PyCharm, IntelliJ

Competencies

- Data Structures and Algorithms (DSA)
- Object Oriented Programming (OOPs)
- System Design
- Full Stack Web (MERN) & Android Development
- REST APIs
- Microservices
- Version Control using GIT

Certificates/Achievements

- Secured **2nd position** in **National Level Technical Model Presentation Competition** (Hausify) on Innovative Ideas-2023, jointly organized in collaboration with AKTU Innovation Hub, Lucknow and IEEE Young Professional, UP Section.
- 30 Days of **Google Cloud Program 2021**
- Udemy Certified **Flutter Developer**
- IEEE Core Member (Student Chapter)
- Best Research Paper Award 2021 (Paper Title: 'Web-Based Spot Exam Application')
- Secured 1st position in Tech-Yuva 2022 (Tech Competition) for my project named Voterium.
- Secured 1st position in Tech-Wizard 2022 (IoT-Based Applications : Mask Detection)