

Aditya Kumar Singh

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Experience

- Accenture** Apr, 2024 — Present | Kolkata, India
- Associate Software Engineer**
- Automated Salesforce data migration using **Python** scripts, reducing processing time by **75%**.
 - Developed an in-house CRM email solution with **Django** and **SendGrid**, creating **RESTful APIs** and microservices to improve Application Development and scalability, saving **\$45,000** annually.
 - Collaborated on the maintenance of **CI/CD** pipelines using **Docker**, ensuring seamless deployments and Application Resiliency.
- EzeRx - Sun Pharma Affiliated Company** Sept, 2023 — March, 2024 | Kolkata, India
- Software Engineer**
- Awarded **Employee of the Month** in Dec '23 for implementing in-app servers that enhanced app capabilities and Security.
 - Developed and maintained scalable **Python** server integration in the mobile app, achieving a **70%** server cost reduction through efficient Automation and Cloud integration.
 - Improved code coverage to **85%** by implementing rigorous unit testing frameworks, minimizing post-release bugs and enhancing Application Resiliency.
 - Optimized app performance by **30%** via system requirements analysis and state management, reducing exceptions by **85%** and app size by **49%** through asset optimization and code reuse.
 - Initiated iOS app development using **Flutter** and architected cross-platform synchronization, achieving feature parity between **Android SDK** and **iOS** while reducing development redundancy by **40%**.
- Locofast** Sept, 2022 — Dec, 2022 | New Delhi, India (Remote)
- Software Engineering Intern**
- Designed an Email Authentication System for the client-side, utilizing **Amazon SES**, **NestJs** and **Redis**.
 - Implemented database migrations and seedings for seamless application changes..
 - Collaborated with backend and product teams to develop new features based on user requirements.

Education

- B.Tech in Computer Science and Engineering** 2023 | West Bengal, India
- Ramkrishna Mahato Government Engineering College (CGPA: **9.18**)

Projects

- PaperFlow**
- Built a full-stack PDF management mobile app using **Nest.js**, **MongoDB**, **Flutter**, and **REST APIs** to enhance Application Development and modern front-end capabilities.
 - Created a responsive **Flutter UI** and utilized an **S3 bucket** for secure PDF file storage in the Cloud.
 - GitHub Repo** | **Video Demo**
- SmartVault**
- Built a Smart Warranty Vault using Spring Boot, Java, PostgreSQL, and Flutter with a microservices architecture for storing product warranties and purchase details.
 - GitHub Repo**

Skills

- Programming Languages:** C++, Java, Python
- Frameworks, Libraries and SDKs:** Flutter, JPA, Hibernate, Spring Boot, Spring MVC, Spring Security, Android SDK, iOS
- Databases:** MySQL, MongoDB, PostgreSQL
- Coursework:** Data Structures and Algorithms (DSA), Operating Systems

Achievements

- Awarded **Employee of the Month** in Dec '23
- Ranked **91st** in GeeksForGeeks Weekly Coding Contest 98
- Solved **600+** problems on platforms like LeetCode and GeeksForGeeks
- Highest Rated **1839** at LeetCode