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| +91 9566064578  hemanth171@gmail.com  Chennai-600021, India | **Hemanth K** | | | [LinkedIn](http://www.linkedin.com/in/hemanth-k-229b9957)  [Github](https://github.com/hemanth171) |
| **Work Experience** | | | | |
| **Member of Technical Staff** | | **PayPal, Chennai** | | **Jan 2023 - Present** |
| **Consent Management Platform**   * Platform Architecture: Architected a consent management platform that efficiently collects and retrieves user consents within 40 milliseconds, managing the lifecycle of user consents. * Decision Service Design: Designed a decision service for marketing to determine if shopper insights can be shared with partners or third parties, leveraging user consents and customer demographics. This service increased partner conversion rates by 60% and was optimized using caching to provide decisions in under 40 milliseconds.   Technologies Used: Java, Spring Boot, JPA, Hibernate, Oracle, Juno (cache), AMQ, Cloud Event, Daemon | | | | |
| **Senior Software Engineer** | | **PayPal, Chennai** | | **Jan 2021 – Jan 2023** |
| **Data Lifecycle and Discovery Platform**   * Architected Externalizable Solution: Designed and implemented an externalizable architecture for PayPal’s privacy product, enabling the identification of customer personal data across organizational databases. * Enhanced Data Discovery: Rebuilt PayPal’s privacy product to detect PII in unstructured data such as images, documents, videos, and audio files, increasing data discovery speed by 60%. * Team Leadership and Efficient Routing: Led a team of 6 engineers to implement queues for efficient data routing to various machine learning pipelines. These models classify PII into categories like email and address.   Technologies Used: Java, Spring Boot with GraphQL, RabbitMQ, MySQL, Hibernate, JPA, Google Cloud Platform | | | | |
| **Software Engineer II** | | **PayPal, Chennai** | | **Sep 2017 – Jan 2021** |
| **Privacy Platform – Data Subject Rights**   * Orchestration API Framework: Designed and led the development of an orchestration API framework to handle requests from various channels such as voice, chat, and email. Developed a bridge service connecting multiple machine learning services to accumulate data and produce customers’ personal data in encrypted files, reducing manual effort and improving process time by 80%. Team Size: 4.   Technologies Used: Java, Python, Spring Boot with RESTful, MySQL, Oracle, Google Cloud Platform | | | | |
| **Software Engineer** | | **Cognizant, Chennai** | | **Dec 2013 – Sep 2017** |
| **QVC.com - Special Financing Payment Method**   * Qcard Payment Method: Designed and implemented the Qcard payment method, enabling customers to buy products instantly and pay later, resulting in an 80% increase in transaction rates (100,000 transactions per day). * Promotional Offer Algorithm: Developed an algorithm to mine promotional offers from the product service, benefiting customers and increasing net active users by approximately 1 million per day.   Technologies Used: Java, Struts, RESTful Web Services, Oracle, XSD | | | | |
| **Open-Source Contribution** | | | | |
| * Contributed to the open-source library Microsoft/LightGBM – Pull Request https://github.com/microsoft/LightGBM/pull/4129 | | | | |
| **Highlighted Projects** | | | | |
| **Realtime API Scanner to Identify PII**   * Developed a python script which sniffs the request & response packets traversal in a server, identifies the personal data fields through an ML model and stores it in Redis database, which in turn used to identify the number of APIs which shares the customer personal information to the external vendor.   **Containerized Personal Data Discovery Platform**   * Built a dockerized platform which can be deployed in any environment and identify the presence of customer’s personal data stored across databases in an organization which helped the organization to take necessary actions on those data before the SLA breach and comply with the privacy laws like GDPR, CCPA etc. | | | | |
| **Education** | | | | |
| Bachelor of Engineering CGPA: 7/10 Computer Science 2013 | | | **Santhome Higher Secondary School**  Class XII 87.4% 2009  Class X 81.4% 2007 | |
| **Languages And Technologies** | | | | |
| * C; C++; Java; Python; Sql * Spring Boot; Spring Cloud; Spring JWT; Docker; Kubernetes; Git; Maven; Gradle * ElasticSearch; MySQL; Redis; Juno; Hashicorp Vault; Rabbit MQ * Google Cloud Platform | | | | |