

---

**EMPLOYMENT**

---

**Software Engineer                      Amazon India Development Centre                      March 2019 -****Amazon Payment Products**

- Designed and developed the improvements at Amazon Product detail pages to make it easier for customers to discover and use our Payment Method. This resulted in additional GMS of €88M annually.
- Delivered improvements in the checkout flow with our payment method. This made easier for customers to see additional details when checking out from Amazon. It brought down latency in a critical flow and increased purchases done by 3% when compared in A/B testing.
- Worked on the migration of Payment Methods out of the legacy system to a new Plugin architecture-based system. These Payment Methods are directly visible to the customer on the Payments Page in Amazon Retail site. This resulted in reduction of P50 latency by 75% and P90 latency by 50%.
- Technologies Used: Java, Spring, Guice, CI/CD deployment Pipeline, Rest API, RPC.

**Software Engineer                      Samsung R&D Institute Bangalore                      Jan 2017 – March 2019****SmallCell**

- Implemented EMTC feature, and supported development in Samsung HQ, Korea.
- I was also involved in the maintenance and block testing of Samsung LTE eNodeB MAC layer for small cells.
- Technologies involved: LTE, C/C++, TM500, Linux, Embedded Systems

**Multimedia and Systems (Intern)**

- Developed a cloud application for 3D Modeling as a service in Java using Spring boot and deployed on AWS.
- Using this service user can create 3D Models by uploading the images captured of the object. This 3D Model could be rendered using the Samsung Gear VR.
- Technologies Involved: AWS Lambda, ECS, S3, EC2, API Gateway, DynamoDB, Cassandra, Docker, Java, Spring Boot, REST API

**Intern    SpotThis    May 2016 – July 2016**

- Developed an automated distributed crawler from scratch on AWS infrastructure using EC2 instances to work as master and worker machines, S3 to store related data, and RDS instance to store the crawled data
- Collected data helps them in collecting data for training their Neural Network on many different types of images.
- Technologies Involved: Python, AWS EC2, MySQL, S3

---

**EDUCATION**

---

**Pilani, Rajasthan    Birla Institute of Technology and Science Pilani    2012 - 2017**

- B.E.(Hons.) in Computer Science and M.Sc. (Hons.) In Economics. GPA: 8.33/10.0
- CS Coursework: Operating Systems; Data Structures and Algorithms; Compilers; Databases; Computer Networks.
- Electives: Information Retrieval; Network Programming; Cryptography.

---

**TECHNICAL EXPERIENCE****Projects**

- **Compiler Development** (2016). I developed a compiler for given language specifications using C programming language. It consisted of all the front-end parts, i.e., lexer and parser, as well as backend parts, i.e., AST, symbol table, type checker, and machine code generator.
- **Focused Crawler Search Engine** (2015). Crawled about 700000 Wikipedia articles using Apache Nutch, indexed using Apache Solr, and ranked search results using information retrieval algorithms.

---

**Languages and Technologies**

- C; C++; Java; Python
- Visual Studio; IntelliJ; Eclipse; Android Studio