Bangalore

ANCHIT JAIN

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EMPLOYMENT

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

Consumer Payments
- Working toward refactoring the 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. 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 in MySQL database.
- 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.
- **Open Source Contributions** (2016). Contributed to Strace, Astropy, Pgmpy, MITMproxy open source projects. Helped in gaining insights on maintaining large codebases and becoming familiar with the advanced usage of git and toolchains.

Languages and Technologies
- C; C++; Java; Python
- Visual Studio; IntelliJ; Eclipse; Android Studio