

Anand Gupta

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EDUCATION

- **Arizona State University**

Master of Science in Computer Software Engineering; GPA: 4.00

Tempe, AZ

Aug 2022 – May 2024

- **Institute of Engineering and Technology**

Bachelor of Technology in Computer Science and Engineering; 73.04%

Lucknow, India

Aug 2010 – June 2014

PROGRAMMING SKILLS

Programming/Scripting Languages: Java, JavaScript, HTML, CSS, Prolog

Databases: PostgreSQL, MongoDB, Redis

Tools, Frameworks & Libraries: JUnit, jQuery, Kafka, Nginx, Docker, Kubernetes, Grafana, Protobuf, ReactJS, SpringBoot, Jekyll, Jenkins

Cloud Services: Github Actions, Amazon Web Services, Microsoft Azure

Operating Systems: Ubuntu, MacOS, Windows

PROFESSIONAL EXPERIENCE

Principal Engineer, Hughes Systique Corporation

September 2021 - August 2022

- Collaborator in a cross-functional team. I was involved in the design and development of the monitoring and alerting dashboard for use by Telecom industry.
- Apart from technical responsibilities, leading a team of 4 engineers and involved in delegating tasks, reviewing their work, and mentoring them.
- Technologies Used: Java, JavaScript, RESTful web services, Kafka, Redis, Kubernetes, Docker, SpringBoot, ReactJS

Contract Software Engineer, Adobe Inc.

July 2017 - August 2021

- Collaborated in a team to develop and maintain core modules like identity management, provisioning, etc of Adobe Experience Cloud, a collection of integrated online marketing and web analytics products, responsible for user and product provisioning.
- Collaborator in a team which designed and developed module responsible for serving assets of Adobe Experience Cloud solutions. My responsibility was to minimize Time to First Byte (TTFB) by applying modifications/optimizations to different layers in client-server model.
- Worked individually to integrate Adobe Livefyre's content curation capabilities with Adobe Experience Manager. During the same time, designed the user interface for the General Data Protection Regulation (GDPR) module and made the integration module GDPR compliant.
- Technologies Used: Java, JUnit, ReactJS, Mocha, Chai, Sinon, RESTful web services, Kafka, Docker, k8s, Nginx, Grafana, Protobuf, AEM 6.2 - AEM 6.5, AWS, Microsoft Azure

Senior Software Engineer, Hughes Systique Corporation

May 2017 - June 2017

- Designed and developed a chatbot application to simulate conversation and assist grocery buyer in placing their order leveraging IBM Watson Assistant. This project was an individual initiative during Garage Week to come up with a solution to automate any daily activity.
- Technologies Used: Java, JUnit, IBM Watson API, Facebook Messenger API, RESTful web services

Systems Engineer, Tata Consultancy Services

June 2014 - May 2017

- Involved in development of independently deployable and modular services to be consumed by various channels e.g. ATMs, branch banking, mobile banking, web banking of an European bank.
- Worked in a team and was responsible for development of Payments module of mobile banking application for one of the biggest European bank for its customers in Spain, Portugal, Italy and Belgium.
- Technologies Used: Java, JUnit, HTML5, CSS3, KnockoutJS, Cordova, Android, CucumberJS, RESTful web services, Java MQ, Selenium, Appium

ACADEMIC PROJECTS

- (Ongoing) Involved in design and development of an IoT infrastructure with privacy-related behavior recommendation system for IoT sensors in our daily life
- Created a lexer, parser, and evaluator in Prolog for a programming language with custom grammar rules
- Created a Syllabus Generator web-application to automatically create a pre-filled syllabus for a provided course after sourcing information from the internal and external university websites.
- Created a messaging application with secured text/voice transmission. Developed a module for secure transmission of audio file after pre-processing using combined approach of transformation and cryptography.