Anand Gupta

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Education

- **Arizona State University** — Tempe, AZ
  Master of Science in Computer Software Engineering; GPA: 4.00/4.00 — *Aug 2022 – May 2024*

- **Institute of Engineering and Technology** — Lucknow, India
  Bachelor of Technology in Computer Science and Engineering; 73.04% — *Aug 2010 – June 2014*

Programming Skills

Programming/Scripting Languages: Java, JavaScript, Typescript, SQL, HTML, CSS, Prolog
Databases: PostgreSQL, MongoDB, Redis
Tools, Frameworks & Libraries: JUnit, jQuery, Kafka, Nginx, Docker, Kubernetes, Grafana, Protobuf, ReactJS, SpringBoot, Jekyll, Jenkins, Shopify, Figma, React Native
Cloud Services: Github Actions, Amazon Web Services, Microsoft Azure

Professional Experience

Software Engineering Intern/Co-op, Motive Health Inc, USA — June 2023 - December 2023

- Enhancement and maintenance of the current iOS and Android mobile app using React Native.
- Execute website evaluations across diverse browsers and platforms, reporting any discrepancies in the mymotive.com.
- Develop and deploy web tools to improve the visibility of observability metrics related to MyMotive infrastructure.
- Technologies Used: HTML, CSS, Javascript, Shopify, Python, React Native, RESTful web services, Grafana, Google Firebase, Sentry.io, Klaviyo, CI/CD

Principal Engineer, Hughes Systique Corporation, India — September 2021 - August 2022

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

Contract Software Engineer, Adobe Systems, India — 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.
- Technologies Used: Java, JUnit, ReactJS, Mocha, Chai, Sinon, RESTful web services, NodeJS, Kafka, Docker, k8s, Nginx, Grafana, Protobuf, AEM 6.2 - AEM 6.5, AWS, Microsoft Azure, CI/CD, Linux, BDD

Senior Software Engineer, Hughes Systique Corporation, India — 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, India — 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, Design Patterns, TDD

ACADEMIC PROJECTS

- 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.