

# ANNANYA SAH

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## SUMMARY

Motivated computer science grad student with 5 years of software engineering experience (skilled in distributed systems, back-end development, algorithms and Mobile Apps) with proven ability to build, deploy, and scale systems in the cloud, seeking full time SDE roles.

## EDUCATION

**Master of Computer Science**, Northeastern University 2022-Expected Dec 2023

Relevant Coursework: Scalable Distributed Systems, Computer Systems, Algorithms, Cloud Computing, Machine Learning, Natural Language Processing, Program Design Paradigm.

**Bachelor of Technology**, Uttar Pradesh Technical University 2012 - 2016

## SKILLS

<b>Programming Languages</b>	Go, Kotlin, Java, Python, JavaScript, C
<b>AWS</b>	Lambda, EC2, Elastic Beanstalk, Terraform, CloudWatch, CloudTrail
<b>Distributed Systems</b>	Algorithms, Consensus protocols (PAXOS)
<b>Databases</b>	DynamoDb, MySQL, SQLite, IndexDb
<b>APIs &amp; Protocols</b>	RESTful, gRPC
<b>Mobile Development</b>	Native Android(Jetpack), Hybrid (Ionic,Cordova,Electron), Firebase
<b>Web Development</b>	NodeJS,AngularJS, NGINX, React, HTML, CSS
<b>Testing Frameworks</b>	JUnit, Mockito, Mocha, Espresso, Postman
<b>Machine Learning</b>	Scikit, TensorFlow, PyTorch, Keras, NLTK, Spacy

## EXPERIENCE

**Software Development Engineer Intern** May 2023 - Aug 2023

Amazon AWS(Geospatial) *Arlington, VA, USA*

- Authored comprehensive design document and conducted thorough feasibility analysis, enabling the successful implementation of a pioneering feature of in AWS Geospatial services.
- Conducted a comprehensive analysis of open source client navigation SDKs to facilitate effective client-side integration.
- Enhancing Amazon Location Services by creating API and integrating real-time functionality, utilizing geospatial data from partners.
- Contributing to the open-source library by creating exportable client integration.
- Ensuring feature reliability and usability by introducing comprehensive tests and creating thorough documentation.

**Software Development Engineer** Aug 2019 - Dec 2021

Siemens STS Ltd. *Bangalore, India*

- Implemented token introspection for enhanced app security on a NodeJS backend using OAuth2.0.
- Optimized Node app performance through Nginx server integration for load balancing.
- Transitioned a hybrid mobile app to a Windows desktop version using Electron-Angular technology.
- Streamlined authentication services by transitioning from Siemens' internal process to Amazon Cognito.
- Awarded the STAR recognition for exceptional performance.

**Software Development Engineer** Dec 2016 - Aug 2019

CGI Inc. *Chennai, India*

- Designed, developed and launched two native Android apps and seven hybrid apps on Cordova Ionic stack
- Enabled seamless data transfer through integration of RESTful APIs using Volley library.
- Utilized Crashlytics for efficient issue tracking and resolution
- Automated language translation file management for apps using Python scripts