

Arpit Thool

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EDUCATION

Master of Science (Computer Science) | Virginia Tech

- CGPA : 3.85/4.0

Virginia, United States

Aug 2021 - May 2023 (Expected)

Bachelor in Engineering (Computer Engineering) | SPPU

- CGPA : 3.62/4.0

Pune, India

Aug 2016 - May 2020

SKILLS

- Programming Languages** : Java, Python, C#, PHP, Javascript, TypeScript
- Database Technologies** : MySQL, Redis, NoSQL, MongoDB
- Other Technologies** : Spring, Spring MVC, Spring Boot, AWS, GCP, Docker, Kubernetes K8, API, REST APIs, Git, GitHub, GitLab, HTTP, JSON, Linux, Jenkins, Vue JS, HTML5, Groovy, Terraform, React, Angular
- Industry Skills**: Software Development, Backend, Test Driven Development, SOLID Principles, Agile Development, Digital Transformation, OOP, Debugging, Troubleshooting, CICD
- Soft Skills** : Effective communication, Goal oriented, Open-minded, Adaptable

WORK EXPERIENCE

Virginia Tech

Software Engineer

Blacksburg, Virginia

Aug 2021 - Present

- Contributed to development and maintenance of software applications writing high-quality and secure Java code.
- Researched new technologies for solving problems faced by stakeholders.
- Orchestrated a software system in Java to communicate with ZAP and run scans on web applications, minimizing project costs by 80%. This was done with the help of API calls and efficiently processing JSON data.

Lutron

Software Engineer Intern

Coopersburg, Pennsylvania

May 2022 - Aug 2022

- Spearheaded design, development and deployment of a Java Spring application used to migrate from manual management of a Cloud resource (artifact repository) to Configuration as code using Terraform. Used dependency injection design pattern, made authenticated API calls and executed system commands. Slashed project costs by 50% with near zero-defect delivery.
- Collaborated with stakeholders to understand requirements and use cases and created the requirements and design documents for the project..
- Implemented a C# feature in Lutron's Tech Support Tool to decompress and concatenate files fetched from any online Lutron system. This completely automated the task, saving time and improving efficiency.
- Extended functionality of Lutron's System Diagnostics app to enable debug logging for a connected system using the LEAP protocol. This increased application functionality and improved user experience.
- Delivered three projects for two teams having completely different tech stacks, in a time span of three months.

Acquia

FullStack Software Engineer

Pune, India

Sep 2020 - July 2021

- Fashioned a cloud based email automation SaaS application with web service, code, API, User Interface, Database, and MySQL, NoSQL(Redis) development.
- Orchestrated the MVC software architecture with observers and event triggers according to business requirements.
- Modeled and implemented an efficient solution to synchronize the creation, modification and deletion of an asset in the parent template to children templates, saving the client up to 60% of their resources spent on replicating templates.
- Consistently stood among the top 3 contributors in every sprint.

Technogong

Software Engineer Intern

Pune, India

Sep 2019 - Mar 2020

- Designed and developed 'Bizhawk', an android application for managing day-to-day activities in a restaurant. Saved on estimated costs by approximately 75% with near zero-defect delivery.
- Managed the project using Agile methodology to meet sprint goals.
- Implemented app activities in high-quality Java code, wrote PHP scripts to run on a LAMP server to implement software functional requirements.

PROJECTS

Amazon Clone ([Website link](#)) [React | Firebase | NoSQL]

Jun 2022 - Jul 2022

- Hosted web app having a few features of the Amazon Website. with React frontend on Firebase, backend implemented with Express web framework, hosted using Google Cloud Functions.
- Added feature to work with real time data residing in a firestore NoSQL database hosted on Firebase, with real time card payments using Stripe. Implemented user login and register functionality using firebase auth module.

Travel Diary & Planner ([Github link](#)) [Java EE | MySQL]

Oct 2021 - Dec 2021

- Hosted a web application on an AWS instance using Apache server for currency conversion, hotel availability, visualizing COVID-19 statistics and weather lookup at different locations with the help of REST APIs using JSON data. An authenticated user can store and view various types of files just like an online diary.