

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

Relevant Coursework

Algorithms, Data Structures, Object Oriented Programming, Operating Systems, Database Systems, Software Engineering, Project Management, Web & Cloud Technology, Operating Systems, Information Storage and Retrieval, Fundamentals of Information Security

SKILLS

- **Programming Languages** : Java, Python, PHP, Javascript
- **Database Technologies** : MySQL, Redis, NoSQL, MongoDB
- **Other Technologies** : AWS, GCP, Docker, Kubernetes K8, API, REST APIs, Git, GitHub, GitLab, HTTP, JSON, Spring boot, Django, Ruby on Rails, Linux, Jenkins, Vue JS, HTML5
- **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, Flexible, Critical thinking and Problem solving

WORK EXPERIENCE

Virginia Tech

Software Engineer

Blacksburg, Virginia

Sep 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 and minimized project costs by 80%. This was done with the help of API calls and efficiently processing JSON data.

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

Travel Diary & Planner ([Github link](#))

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 is able to store and view various types of files just like an online diary.
- Used Java Jakarta EE web framework and implemented the database using MySQL.