Atri Hegde

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I am Atri Hegde, intruiged by technology and always searching the best way to solve problems. Developing high quality software and collaborating on projects is my hobby. I am currently a first year pursuing an undergraduate Master's degree in Software Engineering. Expected to graduate in Summer 2026.
Proud member of Sheffield Ethical Student Hackers!

Education

2022–Current	**MEng Computer Science(Software Engineering), University of Sheffield**
2020–2022	4 A Levels at Reigate College (Computer Science(A), Mathematics(A), Chemistry(A) and Physics(A))

Work Experience

2022	**Legal and General.** I had a week of work experience in the Business Technology and Transformation Team in Legal and General. Here I shadowed one of my seniors and learnt the workflows and general best practices in a professional environment. I was tasked with automating a 4 step task into a single painless automated process with the results being logged into an Excel sheet as required. This was done using Microsoft Power Automate.
2022	**Campus Clothing.** I worked at Campus Clothing as a salesman and directly contributed to more than £6000 revenue. Meeting with a diverse array of people really solidified my communication skills.

Projects

Banking Application	A full stack banking application made using Angular 13 and .NET. It makes use of Azure B2C AAD for user authentication and management. The website was coded in typescript and used the Angular Material library for its components. All of the applications were hosted on Azure with logging using App Services. This gave critical information about the database, API and website apps.

Programming Languages and Frameworks

The projects in the square brackets are available to be viewed on my GitHub profile

Best

Java	Java is my fundamental language, started learning at A-levels and used it to grasp fundamental computer concepts, I mostly use it for competitive programming. [JavaPractice, meetingBooking]
C#	Experienced with .NET core frameworks such as ASP.NET and EF Core, and UI frameworks such as AvaloniaUI and Uno Platform. [BankingApplication-be, file-organiser, CoreCodeCampAPI, SamuraiApp]

Better

Rust	A blazingly fast language that I have been very passionate about due to its unique programming approach. I have been learning Rust vigorously recently, building CLI applications and competitive coding. [my-rust-bible, rust_practice, rust_projects, advent-of-code]
Python	Initially learnt during GCSE's, consolidated by writing python scripts. [pythonProjects, sudokuSolver]
Typescript	I have a good grasp of working with typescript. Only used to for client logic on my web-applications (Angular 13+, Next.js). [BankingApplication-fe]

Good

GoLang	I have been using Golang in hackathons and have learning general programming. [gophercises, neptyune/beluga]
Ruby	I am currently learning Ruby at my University. We are learning Ruby on Rails to create a full stack application.
Nix	A functional language and package manager for unix like operating systems. I have used it with NixOS, a declartive, reproducible OS to configure my computer.
Shell	I have some experience writing POSIX compliant and BASH scripts to automate daily menial tasks.

Other Technologies

UNIX/Linux	I have worked with multiple Linux distributions, and am very familiar with UNIX operating systems. I self-hosted countless applications on a Raspberry Pi 4 and worked with services such as Nginx. I am very familiar with using Linux computers as I use Linux everyday on my personal computers. Using Linux has also resulted in me being very familiar with open source tech stacks.
Azure	I have used AAD B2C to manage users and user scopes with a full stack application. This included hosting a .NET api application, SPA, and MSSQL. All these apps were created under a resource group which had logging to measure performance and diagnose any issues.
AWS	Sheffield Ethical Student Hackers, we use AWS to host all our activites for students to use. I managed EC2 instances, that creating private subnets.
Docker	I have created multiple docker containers with vulnerable services running. This was done using docker compose and then run in AWS EC2 instances. I have also used docker to self-host multiple open source applications.

References

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More character references available upon request.