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Ishan Shanware

A 3rd year Computer Science undergrad At IIIT Bangalore, With Interests In Software Development and Algorithms. Enthusiastic Developer eager to contribute to team success through hard work, attention to detail and excellent organizational skills. With a will to solve real world problems through software. Motivated to learn, grow and excel in Software Industry.

Education

Integrated M.Tech, Computer Science, International Institute of Information Technology, Bangalore (IIITB)　　　**Jul 2019 — Present**
- Current GPA: **3.54**/**4.00** at the end of 4th Semester. Expected graduation by 2024 (5-year course), Transcript ⧉*
- Important courses completed as of May 2021: Data Structures and Algorithms, Design and Analysis of Algorithms, Discrete Math, Computer Networks, Computer Architecture, Signals and Systems.

Experience

Project Intern　　　**Jun 2021 — Aug 2021**
Modular Open Source Identity Platform　　　Remote
- MOSIP - Modular Open Source Identity platform. MOSIP is a global project funded by world bank which is a global effort to develop an open source foundational ID system(eg: Aadhar) for governments to use. Working on the project of writing the test rig of Packet Utility and Partner Management Services. Project involves writing backend using spring web, to automate the testing of every new service of which is deployed.

Software Developer Intern　　　**May 2021 — July 2021**
Indywise　　　Remote
- Indywise is a platform, for providing mentoring-driven upskilling with AI insights. As an Intern, I primarily worked with the backend team for Delivery of microservices and lambda functions of the platform. I refactored 50 percent of the code to improve performance, of the microservices. Tech stack involved: Serverless, AWS Lambda, Node.js, DynamoDB, AWS.

Skills and Interests

Programming Languages	C/C++, Python, Javascript, Java
Technologies	Node.js, Express.js, React, MongoDB, PostgresSQL, Flask, Numpy, Spring, Docker, AWS Serverless
Interests	Scalable Architectures, Cloud Computing, Graph Algorithms, Simulations

Achievements

2021	**Hack The Mountains 2021 (Hackathon)**	Finalist(Top 50 teams out of 600 teams)
	Cohort 4 - Cisco Thingqbator	Team selected out of 1800 teams

Projects

Scout
- Scout is a solution to find best tourist guides at reasonable prices. It provides a larger customer base for Guides and hassle free booking of guides by tourists. I built a scalable backend for the App, following a **Microservice Architecture**, with features such as proximity searches and payment gateways.
- **Achievement: Project Selected for Cohort-4 for Cisco Thinqbator**
- Microservices　AWS Lambda　Serverless　Node.js(TS)　DynamoDB　S3　Data Structures and Algorithms

SafeExcursions
- The application uses mapbox via which the user can select a location through the given marker. This gives a modal pop-up which gives the covid rating for the surrounding locations. The covid rating of a place is a parameter which represents how often do people follow covid safety protocols. This would help the user know whether it is safe to visit these places in this covid era.
- MongoDB　Express.js　React　Mapbox　Docker

Package Delivery Algorithm Visualiser
- Created a Visualiser/Simulation shows how multiple trucks will deliver packages for Logistics company that moves many packages from one place to another. With multiple stations distributed all over the map. Packages are shipped from any station to any other station. By allowing the user to set multiple constraints for the delivery, the simulation runs an algorithm to show which path a truck should take in order deliver all packages successfully.
- Java Swing　Graph Algorithms

ManageIt
- A Complaint Portal for the college, allows users to register a complaint, users can vote for a Complaint. They can upload pictures add pictures of the issue, to notify appropriate authorities. My work was mostly designing the Backend of the project along with rectifying bugs.
- MongoDB　Express.js　React　Pusher