Varshith Chilamkurthi

varshith.chilamkurthi@gmail.com • linkedin(varshithchilamkurthi) • +1 513 693 3233

EDUCATION

Masters, Information Technology, *University of Cincinnati*   January 2023 - Present
B.Tech, Computer Science and Engineering, *GITAM University (CGPA: 9.05/10.0)*   July 2017 - May 2021
Relevant Coursework: IT Research Methods, Data Structures, Database Management Systems, Computer Organization and Operation, Computer Architecture, Formal Languages and Automata Theory, Computer Networks, Cybersecurity.

RELEVANT EXPERIENCE

Advanced Business and Healthcare Solutions   July 2021 - December 2022
Associate DevOps Engineer
- Migrated the CI/CD pipeline of a product called Cloud Marketplace from Jenkins to GitActions.
- Automated workflows for unit testing and deployment using CI/CD pipelines using Harness and GitActions.
- Created and configured Elastic Load Balancers and Auto Scaling Groups for Cloudforms product, to have a cost efficient, fault tolerant and highly available environments.
- Created basestacks for multiple environments for various products using cloudformation to create custom VPCs, subnets and other essential resources to ensure a successful web application deployment.

Advanced Business and Healthcare Solutions   January 2021 - June 2021
Trainee Engineer Intern
- Migrated a product application called Laserforms from Microsoft Azure to AWS.
- Built and deployed Containerised and Serverless APIs to AWS for an internal product named Innovation.
- Designed NodeJs API to connect the Amazon S3 service to store and retrieve the media files.

PROJECTS

Water Quality Analysis   April 2021
- Forecast the Water Quality using the Random Forest Regression model.
- Implemented our model to predict the quality of water determined by various quantities like pH, D.O, Conductivity, Fecal Coliform, Total Coliform, WQI(Water Quality Index), etc.

Automatic Zoom Class login   July 2020
- Logs in to the class automatically on a single click.
- Used webscraping technique to get the data from our college website.
- Used Selenium with python to scrape the data from the website and by using my login credentials.

Minecraft Notification System   March 2019
- Developed a Java plugin that communicates with the Minecraft server to retrieve updates on user activity using the Spigot API, as well as a Discord bot that uses WebSockets to send real-time messages to users.
- Deployed the discord bot on an AWS EC2 instance to listen to the plugin changes interminably.

Smart Door Lock   May 2018
- Devised a lock system using Raspberry Pi with the help of GPIO pins and servo motor to lock and unlock the door.
- Established internet connection to Raspberry Pi and used Blynk IoT app to connect and control door lock from mobile.
- This project was programmed using C++ and Blynk library.

Retro Snake Game   June 2017
- This application was implemented in Java using Applets with variable difficulty, inspired by a retro game from the 1990s.
- Implemented multi-threading for updating multiple objects parallelly. Utilized a randomized algorithm to spawn food.

SKILLS AND CERTIFICATIONS

- **Technologies and skills**: Microsoft Office Tools, Event planning and organizing, Team Leader, Team player, Self-motivated, Communication Skills, Positive attitude, Work well even under pressure, Detail oriented, Accurate, Dependable.
- **Languages**: C, C++, JavaScript, Java, SQL, HTML, CSS.
- **Frameworks & Libraries**: NodeJS, ExpressJS, Spring, Spring Boot, Angular, Bootstrap.
- **Databases**: PostgreSQL, MongoDB, SQLite3.
- **Cloud Technologies and Tools**: AWS, Harness, Jfrog, Git, GitHub, Docker, Jenkins.
- **Certifications**: Ultimate AWS Certified Solutions Architect Associate 2022, Machine Learning Algorithms: Supervised Learning Tip to Tail
- **Operating Systems**: Windows, MacOS, Linux.

ACHIEVEMENTS AND EXTRA-CURRICULAR ACTIVITIES

- *Web Designer* and *Core Committee Member* of *ACM* student body chapter. organized *TECHCELLENCE*, which was one of the biggest tech fests in GITAM University. coordinated technical workshops, hackathons.   2018 - 2021
- *Core Committee member* of *IEEE* student organisation at GITAM University. organized a fest *NIRVANA*, cultural events, technical workshops and hackathons.   2018 - 2021
- *Publicity Lead* and *Core Committee member* of *GUSAC*(GITAM University Science and Activity Center), GITAM University's largest and one of the two student groups. organized cultural events, technical workshops and hackathons.   2019 - 2021
- *Volunteered* twice at the global tech conference *TECH 2018* and *TECH 2019*, which was organized by *UNESCO*. 2018 - 2019
- *Volunteer* (National Service Scheme), organized camps, and took elementary classes for the underprivileged.   2018 - 2021
- *Singer* and *Keyboard Player*. Founded the band *Crescendo* and won the band competition at Andhra University Visakhapatnam. Posts music videos in Instagram page.   2020