Amrit Anand

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Education

Malaviya National Institute of Technology (NIT JAIPUR)   **2020 – 2024**
B.Tech in Computer Science and Engineering   *CGPA: 7.52*

Shivam Residential Public School, Nalanda (CBSE)   **Till 2020**
Class 10th (Secondary): 91.6%   —   Class 12th (Senior Secondary): 87.4%

Experiences

E2E Cloud   **July 2024 – Present**
Associate Software Engineer   *New Delhi, India*

- **Integrated the Chennai region** into E2E Networks' infrastructure by revamping backend codebase.
- Engineered an **automated event monitoring system using Zabbix** to track CPU, memory, and disk usage on 25000+ VMs, with real-time alerts for threshold breaches to improve system reliability.
- Reduced latency by 40% for **VPC deletion** API requests by implementing asynchronous task execution using Celery
- Developed a dashboard to **list all services of customer** integrating Region and IAM data for streamlined access.
- **Mentored 2 Interns**, providing comprehensive training in Full Stack Development and Cloud technologies.
- Tech: **System Design, Microservices**, Python, Django, Kubernetes, Docker, RabbitMQ, AWS, MySql

E2E Cloud   **Jan 2024 – June 2024**
Software Engineer Intern   —   `Certificate`   *New Delhi, India*

- **Led a team to automate frontend UI testing** for load balancer, security group, and other products using Playwright, reducing testing duration by 90% and improving efficiency.
- Implemented and configured **CAA Records** to enhance security and enforce policy for SSL/TLS certificates in the company's DNS service, reducing unauthorized certificate issuance by 40%.
- Improved the launch time of **Load Balancer** by 20% through a thorough overhaul of the backend codebase.

Expedia Group   **May 2023 – July 2023**
Software Development Engineer Intern   —   `Certificate`   *Gurgaon, India*

- Orchestrated the migration of vrbo-attachment-service to cp-file-service, guaranteeing uninterrupted functionality of Online Booking Integration Endpoint **RESTful service** in VRBO; effectively navigated the challenges posed by deprecation, minimizing any potential disruptions to operations.
- Designed as a feature flag, resulting in a 35% decrease in latency and significantly improving system performance.
- Tech: Java, Spring Boot, Maven, JUnit, CI/CD Pipelines

Projects

CodeRecipe: Online Judge | *Github Link*   **September 2023**

- Architected an Online Judge System to automate the process of evaluating and compiling programming problems that allows users to register and log in to solve coding problems.
- Keen to learn how coding platforms operate, I took on this role to gain hands-on experience building and maintaining an Online Judge System, adding 50+ programming problems.
- Authentication: Implemented JWT Tokens for users, enabling CRUD functionalities
- Compiler: Used child process modules for compilation, providing solution verdicts and supports C, C++ and Python programming languages.
- Tech Stack: Angular for UI, Django for Backend, MySQL, AWS for Deployment, Docker for Contianerization.

Technical Skills

Languages: C++, C, Python, Java
Web Languages: HTML, CSS, JavaScript, Node JS, Angular, Django
CS Subjects: Graph Theory, Operating Systems, OOPs, DBMS, Data Structures, Computer Networks
Others: MySQL, AWS, Git, Linux, Docker, Kubernetes, System Design

Algorithmic Competitions/Achievements

- Achieved **99.3 percentile score** in JEE Mains 2020 among 1.1 million candidates.
- Max Rated 1893 on CodeChef.
- Achieved CodeForces rating of 1329, reflecting my proficiency in competitive programming.
- Achieved **LeetCode Knight** (Rating: 1848) – Demonstrating strong problem-solving skills
- Ranked 3rd in the Coding Contest organized by Codeshows (MNIT Coding Club).