

Anurag Joshi

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EDUCATION

- Clark University** Worcester, MA
Masters in Computer Science
August 2023 -
Courses: Operating Systems, Data Structures, Analysis Of Algorithms, Artificial Intelligence, Machine Learning, Networking, Databases
- Mahatma Gandhi Institute of Technology** Hyderabad, India
Bachelor of Technology - Electronics and Communication
August 2016 - July 2020
Courses: Internet of things, Java, Embedded Systems, Networking, Databases

SKILLS SUMMARY

- Languages:** Python, Perl, C/C++, Shell, Oracle SQL, Java
- Frameworks:** Scikit, Spring Boot, React, Angular, TensorFlow, Keras, Django, NodeJS
- Tools:** GIT, Serena, PostgreSQL, MySQL
- Platforms:** Linux/Unix, Windows, Raspberry, AWS
- Soft Skills:** Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

- Tata Consultancy Services (Client: State Bank Of India (SBI))** On-site (Mumbai)
Software Developer (Full-time) November 2020 - August 2023
 - 3+ years of software development experience in object-oriented programming, design and development of multi-Tier distributed, Enterprise applications using Java and J2EE technologies with software development cycle
 - Working experience on Spring MVC presentation tier frameworks and ORM technology Hibernate 3.0.
 - Implemented Encryption and Decryption using RSA (encryption algorithm) in C and Java language. Which is used for security reasons, so that intruder cannot get the original file/string to protect data confidentiality .
 - Developed, customized, and monitored various of ETL processes. Customer and application data were loaded into existing application data via Scheduled Jobs, SQL Loader.
 - Developed and maintained software solutions for State Bank of India, focusing on enhancing banking services and customer experience and refactor forum for performance to handle large databases.
 - Expertise in designing, developing middleware components and Desktop/GUI applications for software in C/C++ using STL, multi threading, data structures. IPC (TCP/IP socket programming) and design patterns.
- Defence Research Development Organisation (DRDO)** On-site
Research Intern (Full time) May 2019 - June 2020
 - Project Course :** Designed Antenna with help of High-Frequency Structure Stimulator (HFSS) and used python's Sci-py and Scikit-learn for analysis.

PROJECTS

- Drag-n-drop machine learning learning environment (Web Development, Machine Learning) |** Python
Scratch-like tool for implementing machine learning pipelines along with built-in tutorial for each concept.
- Asynchronous Job Scheduler File System |** C, Linux workqueues
Designed and built a Stackable Linux File System as a Linux module to enable asynchronous bulk operations. Improved the bulk operation performance by 25% over synchronous operation execution.
- Carpooling (Web Development) |** Python(Django), SQLite3
Implemented Clark Ride-Share app using Django framework (ORM) , enabling Clark Students to easily share rides with fellow mates, resulting in significant cost savings and enhanced transportation accessibility.
- DNS Resolver using DNSSEC |** Python
Implemented a secure local DNS resolver which uses DNSSEC protocol rather than UDP based IP resolution .

CERTIFICATIONS AND AWARDS

- NPTEL Accredited Certification in Artificial Intelligence and IoT (Internet of Things).
- Participated at TCS EngiNx Engineering Project Innovation Content.