

EDUCATION

- **Birla Institute of Technology and Science, Pilani** Hyderabad, India
Bachelor of Engineering - Computer Science and Engineering 2020 - 2024
Courses: Object Oriented Programming, Data Structures and Algorithms, Database Management, Operating System, Computer Networks, Block-Chain Development, Information Retrieval, Machine Learning, Artificial Intelligence

SKILLS SUMMARY

- **Languages:** C++, Java, JavaScript, Python, SQL
- **Frameworks:** NodeJS, AngularJS, Bootstrap
- **Libraries:** Flask, Pandas, Sklearn, Tensorflow
- **Platforms/Tools:** Linux, Wireshark, Git, AWS
- **Soft Skills:** Quick Learning, Public Speaking, Management

EXPERIENCE

- **Fiorano Software, Bengaluru** July 2024 - Present
Software Development Engineer
 - **Fiorano's Enterprise Software:** Working as a Software Developer Engineer in Fiorano that is industry leading providers of Cloud Native and API Management solutions. Fiorano's unique peer-to-peer architecture provides ease of scalability while maintaining redundancy and security of data or internal services. Empowering industries like Finance, Healthcare, Manufacturing and Defence.
- **Aethereus Consulting, Pune** July 2023 - December 2023
AI Developer Intern
 - **Software Development for AI tools:** Have been developing application for conversational analytic with AI such as AI chat bot and AI video bot using Node.js for back-end and Azure virtual machine for hosting.
 - **Smart Email-to-Case Creation:** Created Smart Email to Case Service for Salesforce. Used Email Signature Parsing and Product Parsing powered by industry grade LLMs like Llama and GPT also utilised advanced Memory Graph technique by Pulze.ai for better LLM utilization. Hosted the Backend on the Azure Cloud and successfully integrated the service with Salesforce using Apex.
- **SilverTouch Technologies, Ahmedabad** May 2022 - July 2022
Software and Automation Intern
 - **Robotic Process Automation:** created BOTS for various industrial functionalities like web scraping or database automations.
 - **Data Security Project:** made a Data Security Automation that secures the critical data like user credentials in database using SHA class hashing algorithms. The also project helped me learn basic concepts of applied cryptography like encryption.
- **PixetaAppLab, Surat** July 2022 - September 2022
Software Developer Intern
 - **Software Product Development:** Worked on the accounting module development of an ERP software product for co-operative societies. Mainly used Angular framework to add different functionalities. Also created user friendly interfaces using different UI frameworks like Bootstrap to improve user experience.

CERTIFICATIONS: LINK

- **Machine Learning Specialization by Stanford and DeepLearning.ai:** The Specialization was comprised of 3 course
 - 1) Supervised Machine Learning: Regression and Classification
 - 2) Advanced Learning Algorithms
 - 3) Unsupervised Learning: Recommenders and Reinforcement learningCourses cover all the essentials of Machine Learning. I have used libraries such as Pandas, Sci-kit learn and TensorFlow to make Machine Learning and Neural Network based models.
- **Official (ISC)2 Certified in Cybersecurity (CC) Course Completion Certificate:** Certificate provides understanding of basic Security fundamentals like Access control concepts, Network security and other security related operations. Also have learnt core concepts like XSS, SQL Injection, Web Pentesting that threatens the Web App Security.

PROJECTS

- **BadUSB Device Detection using Deep Neural Networks:** Currently working on BadUSB Device detection using ANN under Professor Paresh Saxena and Chillara Anil Kumar. The aim of the project is to create reliable filtering of BadUSB devices that mimics HID (Human Interface Devices). The process includes feature abstraction from USB Protocol traffic and using these features design and train the best model to filter out future devices.
- **DDoS Prediction:** Developed a Machine learning pipeline that takes data from Salesforce Data Cloud related to DDoS cyber attacks and trains itself to filter future request on the server to mitigate the risk of application based DDoS attacks. The Model is trained to filter out popular DDoS attacks methods like DDoS HULK and DDoS Slowloris. Used AWS Sagemaker, Lambda and API Gateway to deploy the model and end point. The project was presented at Salesforce Developer's Day in Pune.
- **Secure Block-chain for Natural Resource Management:** Worked as a research assistant under Professor Srinivasa Raju about usage of Block chain technology in water resource management. Proposed and prototype Block-chain architecture that is reliable and scalable for large scale transaction of basic human commodity like water. Used Node.js in back-end for the Block chain client application prototype. Also used applied Cryptography like hashing and elliptic curve cryptography.
- **Data Compression Using Hoffman Algorithm:** (Data Structures And Algorithm Project) implemented Hoffman's algorithm for loss-less data compression of text file. Used data structures like binary search tree, queues etc.
- **Restaurant Management System with Database Connectivity:** (Database Management System Project) made a prototype web software for restaurant management using MySQL database. Used database normalization to make the storage efficient.

EXTRA CURRICULUM

- **Having A YouTube Channel With 250k Subscribers:** Running a Youtube channel on the topic of SuperHero fandom with more than 250k subscribers shows my creativity and consistency. I have learned skills like video editing, photo editing, public speaking and SEO during my content creation journey. Has eshtablished content creation society with awareness workshops at BITS Hyderabad.