KrishnaprabhatRao Jupally

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EDUCATION

- **Jawaharlal Nehru Technological University**   Hyderabad, India
  TKR College of Engineering and Technology (site)   *July 2018 -present*
  Bachelor of Technology-Computer Science and EngineeringGPA: 9.41
  Courses: *Operating Systems, Data Structures, Analysis Of Algorithms, Discrete Mathematics, Differential Equations, Networking, Databases*

SKILLS SUMMARY

- **Languages**:   JavaScript, SQL, JAVA,Python,C++
- **Frameworks**:   NodeJS,ExpressJS,ReactJS,Flutter
- **Tools**:   Docker, GIT, MySQL, MongoDB
- **Platforms**:   Linux, Web, Windows , AWS
- **Soft Skills**:   Leadership, Event Management, Writing, Public Speaking, Time Management

EXPERIENCE

- **Krishi Network Inc (India's most used Agricultural App)(site)**   Remote
  SDE Intern (Full-time)   *July 2021 - Sep 2021*
  - **TechStack used**: Flask,PostgreSQL,Firebase, SQLAlchemyORM ,Google cloud services like BigQuery and AWS services like AWS Redshift for DataWarehousing ,AWS Celery for Asynchronus Computing (reducing load on the Main Thread of The system),AWS EC2
  - **Data Layer Automation using ETL Scripts**: Automated the process of data collection from different sources like AWS RedShift,Google firebase etc and integarting them into a single centralized datawarehouse.Built a central dashboard which accepts Queries and returns the analytics.
  - **Built a Ads Pipeline**: This pipeline automates the process of collecting the user leads from facebook, youtube marketing campaigns;and sent the data to the company clients everyday.

- **Kahaniya(India's Disney)**   In-Office
  SDE Intern (Full-time)   *March 2021 - May 2021*
  - **TechStack used**: NodeJS(ExpressJS),MongoDB,ReactJS,Mocha Testing Framework,MongooseORM,Redux,Firebase
  - **Completly Refactored the Central Admin Dashboard and Payment module for Kahaniya Mobile App using ReactJS,Redux and ExpressJS.**:
  - **Built REST API for PaymentGateways ,Assesment, Admin Dashboard**:
  - **Built two projects namely "COVID Dashboard" and "DiLSeY" for the company client SCSC(Society for Cyberabad Security Council)**:

- **Chegg Inc (site)**   Remote
  Subject Matter Expert(Part-time, Contractual)   *Dec 2019 - Present*
  - **Responsibility** : Solving the questions posted online by the college students of USA and Canada on the Chegg QA Board and strengthening their concepts of computer science.
  - **Impact**: Answered a total no of 200+ questions on the chegg platform.

PROJECTS

- **COVID Dashboard in association with the Cyberabad Police**: Webapp built for Cyberabad police to curate a list of verified resources for each of the service starting from ambulance services to vacciantion centers to food services. My role in the project is to build Robust and Effecient REST API'S,handle Datalayer with MongooseORM and MongoDB Atlas and Cloud Deployment to AWS. % Tech: NodeJS,ExpressJs,MongoDB Atlas, AWS .   (Link : https://covid.scsc.in/)

- **Digital Literacy for Secure Youth (DiLSeY)**: Application built for SCSC to train youngsters of the city to protect themselves from cyber crimes via the methods of training and assesment% faster. Tech: NodeJS,ExpressJs,MongoDB Atlas, AWS.   (Link : https://play.google.com/store/apps/details?id=com.scsc.dilsey)

- **RNNLanguageTranslator**: We implemented RNN Encoder and Decoder using LSTM and Translated English sentences into valid translated Hindi sentences   (Link: codebase)

- **KPdb(Work in progress)**: I have implemented my own light weight Database Engine which supports CREATE,INSERT, SELECT and DROP commands and working on more commands such as JOINS now.   (Link: codebase)

PUBLICATIONS

- **Blog on how to deal with authentication in BackEnd development.**: -2pt 2pt (Link : https://dev.to/krishna05102000/how-to-handle-passwords-in-back-end-development-2ei5(Dec 2020)

HONORS AND AWARDS

- AIR 1103 (Team Piedpiper) on Google HashCode'2021 out of 36000 participants.
- Knight on the coding platform Leetcode with a rating of 3.5/5
- Runner-up at CMRCET IDEATHON-2020,The Annual Hackathon of CMR College of Engineering Technology.
- Highest SGPA in 3rd and 4th Semester of My Btech course (3rd sem:9.43/10 , 4th sem :9.85/10)