

SHUBHAM / MANKAR

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SUMMARY

I am a highly motivated individual with experience in Full Stack Development who is excited to learn modern engineering concepts, take on new challenges and develop new technologies. I am further committed to using my problem-solving skills and logical thinking ability to work in the fields of Software Development and Data Science.

EXPERIENCE

SOFTWARE DEVELOPMENT ENGINEER NUDRON IOT SOLUTIONS (JUL 2020 – APR 2021)

- Implemented a full-stack web application for a nationwide Water Meter Management Dashboard from scratch using VueJS, Golang and AWS Services including Cognito, DynamoDB, API Gateway and Lambda
- Developed a WebSocket based chat interface for customer support with automatic user allocation to available service representatives and on-demand web access sharing
- Created a development pipeline using Jira and AWS CodePipeline, managed web code maintenance and optimization and assisted in front-end web design
- The dashboard assisted users by visualizing large complex data and had drill down functionality to explore multidimensional data using visual interfaces like tables, charts and maps

WEB DEVELOPMENT INTERN TATA CONSULTANCY SERVICES (JUN 2019 – AUG 2019)

- Developed a web interface for a Medical Appointment System using Angular, Springboot and PostgreSQL
- Primarily responsible for creating and implementing an SQL Database, with a complementary REST API
- The application provided users a single interface to check previous medical records, and helped them schedule and manage future appointments across hospitals

EDUCATION

MASTER OF COMPUTER SCIENCE NORTH CAROLINA STATE UNIVERSITY (AUG 2021– PRESENT)

- Expected to graduate by April 2023
- Currently studying subjects including Design and Analysis of Algorithms, Automated Learning and Data Analysis, and Software Engineering

B. E COMPUTER ENGINEERING FR. CONCEICAO RODRIGUES COLLEGE OF ENGINEERING (JUN 2016 – NOV 2020)

- CGPA 8.72/10
- Co-authored a research paper on 'Data Mining in Educational Systems for Effective Student Mentoring' that was published at an IEEE Conference in 2019

PROJECTS

VIRTUAL ASSISTANCE FOR MEDICAL MONITORING (JUL 2019 – NOV 2020)

- Designed and implemented an Amazon Alexa Skill and complementary web app for medical monitoring through conversation using Angular, JavaScript, Python, Flask, NLTK, AWS SDK and Alexa Skills Kit
- The Alexa Skill primarily assisted psychiatrists keep up with the progress of patients by holding contextually aware conversations with them

SKILLS

- Languages: Python, JavaScript, Golang, Java and C
- Frameworks: AngularJS, VueJS, Django, Alexa Skills Kit and Flask
- Databases: PostgreSQL, Firebase and DynamoDB