SHUBHAM MANKAR

smankar@ncsu.edu | +1 919-345-6212 | www.shubhammankar.com | www.linkedin.com/in.smankar

SUMMARY

Highly motivated individual with experience in Full Stack Development. Excited to learn modern engineering concepts, take on new challenges and develop new technologies. Deeply committed to using my problem-solving skills and logical thinking ability to work in the fields of Software Development and Data Science.

EDUCATION

MASTER OF COMPUTER SCIENCE
NORTH CAROLINA STATE UNIVERSITY (AUG 2021 – DEC 2022)

- **Coursework:** Analysis of Algorithms, Automated Learning and Data Analysis, and Software Engineering

BACHELOR OF ENGINEERING IN COMPUTER ENGINEERING
MUMBAI UNIVERSITY (JUN 2019 – AUG 2019)

- **Cumulative Grade Point Average (CGPA):** 8.72/10
- **Academic Research:** Co-authored a paper titled 'Data Mining in Educational Systems for Effective Student Mentoring' that was published at an IEEE International Conference in 2019

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

PROJECT

NATURAL LANGUAGE PROCESSING
MUMBAI UNIVERSITY (JUL 2019 – NOV 2020)

- Designed and implemented an Amazon Alexa Skill and complementary web app for medical monitoring through conversation and sentiment analysis using Angular, JavaScript, Python, Flask, Natural Language Toolkit, AWS Services 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, C
- **Web Technologies:** HTML, CSS, VueJS, AngularJS
- **Frameworks:** Alexa Skills Kit, Django, Flask, NLTK, AWS Services
- **Operating Systems:** Linux, MacOS
- **Databases:** PostgreSQL, Firebase, DynamoDB
- **Personal:** Hardworking, Committed, Adaptable