

Shubham Mankar

CONTACT

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PROFESSIONAL SUMMARY

Highly motivated individual with experience in Web Development, Internet of Things, and Machine Learning. Looking for exciting opportunities as a Software Engineer where I can learn modern concepts and new technologies, and use my problem-solving skills and logical thinking ability to take on challenges in the fields of Cloud Services, Algorithms, and Data Science.

EDUCATION

Bachelor of Engineering in Computer Engineering Jul 2016 – Present
Fr. Conceicao Rodrigues College of Engineering – Mumbai

- CGPA 8.54/10
- Graduating May 2020.

WORK EXPERIENCE

Tata Consultancy Services – Mumbai Jun 2019 – Aug 2019
Web Development Intern

Roles and Responsibilities:

- Developed a full-stack web interface to serve as a nation-wide medical appointment system.
- Collaborated with a team of interns, working as the lead back-end developer.
- Programmed an API using Springboot and designed a client-side application using Angular 6.
- Managed and expanded an existing PostgreSQL database.

Fr. Conceicao Rodrigues College of Engineering – Mumbai Jun 2018 – Sep 2018
Research Intern

Roles and Responsibilities:

- Developed a wearable IOT device for people in assisted living facilities.
- 3D printed an enclosure for the smart wearable device.
- Programmed and installed Arduino Uno microprocessor.
- Designed a client-side web application using Angular 6 and Firebase.

PUBLICATIONS

Data Mining in Educational Systems for Effective Student Mentoring

- Published at an IEEE Conference named 2019 International Conference on Advances in Computing, Communication and Control (ICAC3).

PROJECTS

AI-based Virtual Assistant for Medical Monitoring and Diagnostics Jul 2019 - Present

- Developed an Alexa skill to assist psychiatrists monitor and track patients' progress.
- Designed contextual conversation user interface that generated responses based on the interaction using Sentiment Analysis.
- Engineered a web interface equipped with graph generators to visually represent patient progress.
- The technologies used in this project are Python, NLTK, Angular, Flask, Alexa Skills Kit and AWS SDK.

Agroscope - Android Application for Crop Disease Detection Sep 2018 - Feb 2019

- Created an Android Application to assist farmers in detection of various agricultural diseases.
- Designed a machine learning model that learned from pictures of affected crops and was able to detect diseases related to two crops accurately.
- This project was shortlisted as one of the Regional Finalists at IIT Bombay's E-Yantra Idea Competition 2019.

Web Interface for Management-Student Communication Aug 2018 - Nov 2018

- Designed a website which provided an interface between university management and students.
- Implemented algorithms which enabled feedback post ranking based on their popularity.

Sentiment Analyzer and Journaling Application Jan 2019 - Mar 2019

- Programmed a Sentiment Analyzer to predict user entries within a journaling application.
- The technologies used in this project were Pandas, Python, Keras and Gensim.

Operating Systems: Application Containerization Feb 2018 – Mar 2018

- Using DevOp tool Docker, OS-Level virtualization was implemented to create software packages called containers.

HONORS AND ACTIVITIES

Vice Chairperson - Debate Society Jul 2018 - Mar 2019

- Organized and participated in various debates since 2016.
- Mentored juniors and prepared them for Inter-College Debate Competitions.

Wish Granter - Make-A-Wish Foundation Jun 2018 - Jan 2019

- Socialized with terminally ill children and helped the organization in wish recognition, as I visited numerous hospitals throughout Mumbai.

CERTIFICATION COURSES

- **Machine Learning** - Stanford University, Coursera Sept 2019
- **Responsive Website Basics: Code with HTML, CSS and JavaScript** - University of London, Coursera Jun 2018
- **Python Data Structures** - University of Michigan, Coursera Aug 2017
- **Programming for Everybody (Getting Started with Python)** - University of Michigan, Coursera Jul 2017

SKILLS

- **Languages:** Java, C, Python, Octave
- **Frameworks:** Angular, NodeJS, Django
- **AWS Services:** Lambda, API Gateway, Alexa Skills Kit, S3
- **Database Management Systems:** MySQL, Firebase, DynamoDB

KEY COMPETENCIES

- Clear and precise with excellent written and verbal communication skills.
- Ability to work quickly and efficiently with little supervision.
- Ability to adapt according to demanding situations.