

Shubham Singh

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[LinkedIn](#) | [Github](#)

EDUCATION

The University of Texas at Dallas, TX (Master of Science)

Aug 2021 – Present

Computer Science

Institute of Engineering and Technology, DAVV, India (Bachelor of Engineering)

Aug 2015 – Jun 2019

Electronics and Telecommunication Engineering

GPA: 3.7

TECHNICAL SKILLS

Languages: Proficiency in Java, Python, JavaScript, HTML

Frameworks/Platforms/Libraries: Springboot, Angular, Hadoop, React, Node.js, Apache Spark

Statistical Softwares: R Programming, MATLAB

Database: MySQL, DynamoDB, MongoDB

Other Software: Adobe Photoshop, Adobe Illustrator, Sony Vegas Pro, Adobe Premiere Pro, Adobe AfterEffects

WORK EXPERIENCE

Accenture, Pune (Software Developer)

Jul 2019 – Jun 2021

- Partnered with a team of 5 developers to develop an online portal of Trade Securities within timeline and budget for a European bank.
- Migrated codebase and database to AWS cloud and integrating its infrastructure with other 3rd party services without affecting business.
- Collaborated across functions to deliver time-sensitive scripts using HiveQL to improve channel sales.
- Accomplished in: Springboot, Java, ReactJS, Kibana, AWS Cloud, Amazon RDS, Postman, Git, Postman, Jenkins, and HiveQL.

CRISP, Bhopal (Data Analyst Intern)

May 2018 – Jun 2018

- Spearheaded and optimized a chatbot with a team of 6 for a government project to improve user experience and increase sales.
- Performed in: R, Python, and Postman.

PROJECTS

Houseflix Streaming app: ([Github](#))

Feb 2021 - Mar 2021

- Created a JavaScript based Home Media Server and Video Streaming Service to watch videos on demand.
- Built in: ReactJS, HTML, SCSS, and NodeJS.

Amazon Price Tracker: ([Github](#))

May 2020 - Jun 2020

- Coded an app to get email alerts when price of an item drops below a certain limit on Amazon.
- Programmed in: Python.

Network Security: AES and hash key Generation and Randomness Testing: ([Paper1](#), [Paper2](#))

May 2017 - May 2019

- Introduced a much faster, efficient and random key generator algorithm for low noise/power for CPS/IoT Networks by simulating in MATLAB and then testing its randomness with NIST-STS.
- Implemented in: Matlab, Python, and NIST-STS.

Baymax: Healthcare App

Nov 2016 - Dec 2016

- Designed a java based healthcare app for assisting older people. Developed basic features such as medicine reminders, distance traveled, and an SOS widget to help people send exact locations via text.
- Implemented a feature notifying valid blood donors during emergencies by sending push-notifications and displaying hospital details after accepting donation requests.
- Developed in: Java, MySQL, and Android.

AWARDS & ACTIVITIES

- Earned "AWS Developer Associate" certification (Aug 2020).
- Recognized by Accenture Leadership for implementation of Trade Securities.
- Led a technical team of 10 as an organizer of central India's most prominent cultural fest Aakshank.
- Secured Finalist position in app development competition called Generex held by IIT Bombay.
- Collaborated with three peers and bagged finalist spot in Data Analytics competition held by IIT Bombay.