

SHLOK NANGIA

Software Engineer

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EDUCATION

DELHI TECHNOLOGICAL UNIVERSITY (FORMERLY DCE)

B. TECH MATHEMATICS AND COMPUTING

July 2018 | Delhi, IN
CGPA: 8.87

NEW GREEN FIELD SCHOOL

AISSCE CLASS XII

2014 | Delhi, IN
Percentage: 94.4 (100 % in Mathematics)

NEW GREEN FIELD SCHOOL

AISSE CLASS X

2012 | Delhi, IN
CGPA: 9.4

SKILLS

Most Experience:

Angular • C++ • Python • JavaScript •
Typescript • Git • VSTS • C • SQL •
Agile Development • HTML • CSS •
Bash • Data Structures & Algo

Some Experience:

Java • .NET WEB API • Android SDK •
Firebase • C# • \LaTeX • React

Familiar:

MATLAB • SPSS

AWARDS

- First Position in Innovista Schlumberger 2020
-Schlumberger, PuTC
- Reward of Excellence
-Schlumberger, PuTC
- First Position in Data Ecosystem Hackathon Schlumberger 2019
-Schlumberger, PuTC
- Third Position in Data science Hackathon 2019
-Schlumberger, PuTC
- Merit certificate issued for scoring 100/100 marks in Mathematics in class XII
-Education Minister of Delhi
- Best Academic Student of Science
-NGFS, Saket

VOLUNTEERING

- Active member of Schlumberger Empowerment Team.
- Member of Mathematics and Computing Society of College (MACS).
- Actively participated as Council Member in School Council year 2012-13 (Class XI).
- Volunteered in a Project "Helping youngsters to speak English" in year 2010 - 2012 (Class IX & X)

EXPERIENCE

SCHLUMBERGER, PUTC | SOFTWARE ENGINEER

July, 2018 – Current | Pune, IN

- Developing Web applications for **Data monitoring and visualization** based on Angular 2+ framework and INT Geotoolkit to deliver **real-time drilling data** to clients.
- Designed and developed a responsive and **widget adaptable framework** which can be accessed on devices of all screen sizes i.e. Data visualization using widgets on Mobile devices
- Designed & developed angular application using **Module Federation** approach to support UI Micro Frontends
- Designed & developed several **Microservices** on Azure Service Fabric
- Tech Stack Using: Angular, ASP.NET Web API, React and MongoDB

BAR CODE INDIA LTD (BCIL) | ANDROID DEVELOPER INTERN

June, 2017 – July, 2017 | Faridabad, IN

- Worked on Android-based application "Ride Share" that allows users to **share their ride details and find a companion** travelling in the same direction.
- All code was reviewed, perfected, and pushed to production.
- Tech Stack Using: JAVA, XML

INFOTEL BUSINESS LTD | ANDROID DEVELOPER INTERN

December, 2016 – January, 2017 | Gurugram, IN

- Worked on an android application WTC (Warranty Tracker And Checker) to **update and monitor the warranty status** of products.
- Tech Stack Using: JAVA, XML

NHPC LIMITED | ANDROID DEVELOPER INTERN

June, 2016 – July, 2016 | Faridabad, IN

- Project on an Android-based employee search system that allows users to **search for employee information** using a combination of five parameters.
- Tech Stack Using: JAVA, XML

PROJECTS

SMART SPEAKER DTU, IN

A type of **wireless speaker** and voice command device with an integrated tools and services that offers **interactive actions and hands-free activation** with the help of one "hot word" (or several "hot words"). The key features were **solving mathematical expressions, real-time object detection and Image captioning**.

- Uses MatBot API (Also developed by Me) to **solve Mathematical Queries**.
- Developed an independent hardware using Raspberry Pi.
- Developed an **interface between the hardware and software** using secure shell access through laptop and later configured to accept inputs by buttons.
- Configured General Purpose Input/output pins on the raspberry pi which allowed to control the scripts by the simple press of a button.
- Added **Text-to-speech and Speech-to-Text** capability for visually impaired people.

MATBOT DTU, IN

A python based assistant or bot which **solves mathematical expressions, interacts with a human** and support in their day-to-day tasks.

- developed Brain for MatBot using NLTK, Scikit on Python.
- exposed engine via **web service based on Flask framework**.
- developed MatBot interface on **Android mobile**.

DTU CONNECT DTU, IN

- Developed an Android application to **locate potential blood donors** in the event of an accident, within the DTU campus.
- Used JSON format to store information about Blood Donors of DTU.