Souvik Chakraborty

4th Year Btech (EIE) undergraduate

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github.com/souvikchakraborty98 ⌗

Worked on IoT and Mobile App Development(Android Studio) projects. Can code in JAVA ,C and PYTHON. Presently working on a mobile app development project using Android.

WORK EXPERIENCE

Intern
Oscar Equipments Pvt. Ltd ⤴

05/2018 – 06/2018   *Kolkata,India*
Business Supplies and Equipment Manufacturers

Role/Task
- Quality Assurance

PERSONAL PROJECTS

Driver Fatigue Detection System (07/2018 – 11/2018) ⤴
- Designed a device prototype which monitors the build-up of fatigue in drivers and accordingly takes steps so that there is no loss of control over the vehicle due to the driver falling asleep at the wheels.
- Stacks Used: Python, Embedded C, Arduino, Visual Basic

Platform Development To Extract Features From Pen Tablets (02/2019 – 06/2019) ⤴
- The aim is to extract data from a person's digital handwriting data from a commercial pen tablet. This data will be subjected to further analysis for medical diagnosis of Parkinson's disease.
- Stacks Used: Visual Studio, Win32 C++

Ambient Light Adaptive Display Brightness Control (11/2018 – 11/2018) ⤴
- This project deals with adjusting the brightness of a display according to the ambient light of the surrounding.
- Stacks Used: Arduino

colorWatch (Android Application) (01/2019 – 04/2019) ⤴
- Flashy stopwatch/clock application, hosted on the Amazon AppStore.

Smart Message Forwarding (05/2019 – Present) ⤴
- An automatic message forwading utility for OTP and data based on user-defined rules.

EDUCATION

B.Tech in Electronics And Instrumentation Engineering
SRM Institute of Science and Technology

04/2016 – Present   *77.31%*

ISC(Higher Secondary)
National Gems Higher Secondary School

04/2014 – 04/2016   *92.75%*

ICSE(Secondary)
National Gems Higher Secondary School

04/2013 – 04/2014   *90.8%*

SKILLS

`Java` `Android` `Arduino UNO`
`NI MultiSim` `Visual C++` `C Programming`
`Python` `Matlab` `Keil`

CERTIFICATIONS

Embedded System Design With ARM (04/2019 – Present) ⤴
NPTEL19CS22S21450092 | Completed course with a consolidated score of 92%, coming in the "Top 5%".

Java for Android (02/2019 – Present) ⤴
Coursera License 7XVXWETBACYL

Programming for Everybody (Getting Started with Python) (06/2019 – Present) ⤴
Coursera License B4RKJEHKV9V8

Workshop on Embedded C Programming (02/2019 – Present)
TVS Training and Services Limited

LANGUAGES

English
Full Professional Proficiency

Hindi
Native or Bilingual Proficiency

Bengali
Native or Bilingual Proficiency

French
Elementary Proficiency

INTERESTS

`Embedded Software Development` `IoT`
`Mobile Application Development`