



SAYAK BRAHMACHARI

SOFTWARE DEVELOPER

/ ALL ABOUT ME

I am an electronics engineering student and a self-taught programmer with a strong eye for innovative design and an innate desire to learn to do more.

/ COMPETENCIES

★★★★★ Python
★★★★★ Javascript
★★★★★ App Development
(React Native)
★★★★★ Web Development
★★★★☆ Linux
★★★★☆ C, C++, Embedded-C
★★★★☆ Internet of Things,
Embedded Systems
★★★★☆ Git
★★★★☆ CI/CD
★★★★☆ UI/UX Designing
★★★★☆ Automation/Scripting
★★★★☆ Docker
★★★★☆ Java

/ OTHER INTERESTS

> Video Editing/Motion Graphics
> Music Production
> Photography



/ CONTACT DETAILS

46 Rupchand Mukherjee Lane, Flat-302, Kolkata, India.
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>> LinkedIn: linkedin.com/in/sayak-b
>> Mobile No: +91-8582865691

/ WORK EXPERIENCE

>> Research Analyst and Software Developer

September 2021 - Present

Developed Algorithmic Trading Frameworks for US Markets using Python, and created a framework to parse unstructured earnings call transcripts data using NLP.

>> Freelance App/Web Developer

June 2020 - September 2020

Developed SEO-optimized e-commerce websites and companion apps for small businesses.

/ PATENTS

>> An Unmanned Aerial Vehicle based method and system for Patrolling over Search and Rescue Area

Filed Sep 23, 2020 Patent Number 202031041280

/ PROJECTS

>> LiDAR-based Vehicle with Autonomous Navigation, SLAM & Obstacle Avoidance (University Major Project)

July 2021 - November 2021

>> Home Automation and Security System (University Minor Project)

Feb 2021 - April 2021

>> ShellBot (Cross platform reverse remote shell utility)

January 2017 - August 2020

>> eSpeak NG Bindings for Python3

September 2016 - August 2020

>> IoT based Self-Driving Robot

November 2019 - April 2020

>> struixLang (A stack based Turing-Complete programming language)

January 2017 - August 2020

/ EDUCATION HISTORY

>> Kalinga Institute of Industrial Technology, Bhubaneswar

BTech. in Electronics and Instrumentation Engineering
Class of 2022

Member of multiple student societies for being passionate about robotics, music production, and motion graphics.

>> Sri Sri Academy, Kolkata

ISC | Class of 2018

Obtained a perfect score (100%) in ISC Computer Science.

>> St. Joseph's School (North Point), Darjeeling

ICSE | Class of 2016

Attended a Robotics workshop at Kennedy Space Center, NASA.

/ COURSES

> Docker for Developers and DevOps - Udemy
> Ethical Hacking - IIT, Kharagpur
> REST APIs with Flask and Python - Udemy