

# Shubhayan Saha

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*GitHub://ShubhayanS*

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## EDUCATION

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- **SRM Institute of Science and Technology** Chennai, India  
*Bachelor of Science in Computer Science: Aggr - 82.5%* 2017 - Present
- **Sri Sri Academy** Kolkata, India  
*Indian School of Council and Education (XII) : 92%* 2015 - 2017
- **Assembly of God Church** Kolkata, India  
*Indian School of Council and Education (X) : 90%* 2010 - 2015

## POSITION OF RESPONSIBILITIES

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- **Aakash Research Labs** Chennai, India  
*Technical Team Member* June 2018 - Present
  - **Overview:** Team Aakash is an aspiring team from SRM which deals with application development for Aakash tablets and its operating environment. A remote lab of IIT Bombay, having a reputation of creating projects based on android, electronics, web development etc which are both helpful and informative for their users
  - **My Domain:** My primary work is to build websites and deploy it for various projects for different campus clubs and clients in and beyond the college campus
- **ACM Student Club** Chennai, India  
*Team Member* June 2018 - Present
  - **Overview:** ACM is a volunteer-led and member-driven organization. Everything ACM accomplishes is through the efforts of various people.
  - **My Domain:** My primary work includes a wide range of activities that keep ACM moving, including organizing conferences, organising various talk, workshop sessions and participating on boards and committees.
- **Team Envision** Chennai, India  
*Web Development & AI Lead* June 2018 - Present
  - **Overview:** Team Envision is a Multidisciplinary Technical Team of Aaruush that aims to provide solutions to most campus and societal issues.
  - **My Domain:** My primary work is to build websites and deploy it for various projects for different campus clubs and clients in and beyond the college campus and also participate in hackathons with the team.
- **MOZILLA Campus Club** Chennai, India  
*Technical & Logistics Team Member* June 2017 - June 2019
  - **Overview:** A Mozilla University College Club is a group of students with a passion for technology who meet regularly to advance this mission by building and innovating on open source projects, conducting hackathons and quizzes that keep the web open.
  - **My Domain:** My primary work was to give different plans and suggest the ways and options for conduction of various hackathons and competitions by Kzilla. Also I built websites and deployed it for various projects from different campus clubs in and beyond the college campus

## EXPERIENCE

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- **Gauis Networks** Chennai, India  
*Software Development Intern* Jan 2019 - March 2019
  - **My Primary Role** involves working in their Content Curation bot built using Python with AI and also deployment on their servers. Also my work on existing websites to implement Python Scripts for automation and adding features in them. :

- **McZone** Chennai, India  
*Technical Intern* *April 2020 - May 2020*
  - **My Primary Role Involves** building their website along with their associated companies. It also involves building their front-end as well as implementing 3D models in their websites. :
  
- **The Graphe** Kolkata, India  
*Web Development Intern* *Nov 2019 - Dec 2019*
  - **My Primary Role** involved building websites for different companies under them and deploy them. Also my work was restructuring existing websites or building a new front-end design for their various business clients. :
  
- **SRM Institute of Science and Technology, SPARC** Chennai, India  
*Undergraduate Research Assistant* *Jun 2019 - Present*
  - **My research work** revolves around implementing Image Processing and Computer Vision for extracting data and Deep Learning for deploying DR detection model. :
  
- **MindWebs** Kolkata, India  
*Webdeveloper & Asst. PR* *Nov 2018 - July 2019*
  - **My primary work** was to build websites and deploy it for various requirements for clients and companies. My work was also to see effective promotions of the company events done by the other people working in the company.:

## SKILLS

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- **Interests:** Machine Learning, Computer Vision, Natural Language Processing, Big Data, Web Development, Chatbot Development
- **Languages:** Python, Java, C, C++, Html, CSS, Javascript, PHP, Node.js.
- **Frameworks:** Keras, TFLearn, Tensorflow, OpenCV, Scikit-learn, Flask, Bootstrap, Materialize.
- **Database:** MySQL, Firebase, AWS
- **Cloud Services:** Google Cloud Platform, Heroku, Azure

## PROJECTS

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- **Prognosis of Microaneurysm and early diagnosis system for non - proliferative diabetic retinopathy using deep convolution neural network** : It is a funded project by UC Davis on early detection of diabetes using deep learning.
- **Trash It** : Iot and ML based Project built in Mozilla Hackathon held in the college for effective trash disposal based on Biodegradable and Non-Biodegradable. The app based UI is designed for admin panel access of the smart dustbins around the city.
- **Credit Card Fraud Detection** : In this project, several methods of Anomaly detection with Probability Densities are used for finding the amount of fraud transactions and analyse the data obtained from Kaggle.
- **Samsung PRISM - Unreliable QUIC** : Worked on Google's Experimental protocol QUIC to setup multiple client sever connection to enable transfer of data packet for multiple clients under Samsung Research Center Mentors.
- **Hind Towards Change Website** : Redesigned the website of the NGO Hind Towards Change along with my team in the Aakash Research Labs.
- **Aaruush Website and Chatbot** : Built a website and also a chatbot for our college tech fest "Aaruush" for the 2019 edition of the fest using Dialogueflow by Google and Node.js as back end for API call.
- **TechTronista — Hackstart** : Designed and Developed a frontend design and UI for two of the events for MindWebs, a start-up company in KOLKATA.
- **SCRO(Student Copter Research Org.)** : Designed and Developed a full stack website for SCRO, a drone photography club in SRM UNIVERSITY. The project was given by MOZILLA Campus Club in the college.
- **Suraksha COVID19** : Designed and Developed full stack web-app against COVID19 pandemic which provides live information to people. It also shows daily headlines, announcements along with COVID19 test centers.

## COURSEWORK

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- **Google Developer Student Club Workshop** : Machine Learning Crash Course, ML101 with Tensorflow, Magic of Firebase, Mobile Developer Fest
- **Coursera**: Introduction to Machine Learning by Andrew NG
- **Aptech** : PHP and MySql Certification
- **Mozilla Campus Club Workshop** : Mozilla Web Extension Workshop, Rust Workshop, Ethical Hacking Workshop
- **SRM IST**: C Programming, C++ Programming, Java Programming, Machine Learning, Big Data

## EXTRA CURRICULAR ACTIVITIES

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- **Corporate Strategy and Implementations, Aaruush SRM** : Student Volunteer and Committee Member of college tech fest "Aaruush" for crowd management, publicity and tickets.
- **Women 4.0 Chennai Ambassador** : Being the Chennai representative of Women 4.0, my vision has always been to empower women in the field of technology.
- **Bharat Udaan Sanstha** : Being an active member of the NGO, I have worked in providing social service and also provide technical contributions.

## LANGUAGES

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- **ENGLISH (Professional)** :
- **HINDI (Bilingual/Native)** :
- **BENGALI (Bilingual/Native)** :
- **JAPANESE (Elementary)** :