



Subhashree Hazra

A budding programmer aspiring to solve real-world challenges using technology and innovation.

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Academic Qualifications

- B.Tech in Computer Science and Engineering, SRMIST, Chennai July 2017 – May 2021
8.4 CGPA / 88.16%
- Intermediate, Dr. Virendra Swarup Education Center, Kanpur May 2016
81.9%
- High School, Dr. Virendra Swarup Education Center, Kanpur May 2014
10 CGPA

Skills

Technical Skills

- Data Science
Intermediate proficiency
- Database and Searches (SQL)
Intermediate proficiency
- Web Dev - Flask
Intermediate proficiency
- Machine Learning (Classic algorithms)
Intermediate proficiency

Programming Skills

- C
Intermediate proficiency
- C++
Intermediate proficiency
- Python
Intermediate proficiency
- Data Structures & Algorithms
Intermediate proficiency

Other Interests

Event Management, Public Speaking, Leadership, etc.

Courses

- Data Analytics using Python, NPTEL
- Python for Data Science, DataCamp

Position of Responsibility

- Technical Head, Gen-Y Oct 2019 - Present
- Speaker as a Google ExploreML Facilitator, SRMIST, Sathyabama University, and CEG, Chennai Sep 2019 - May 2020
- Mentor, Techtable, IIT-M based Edu startup Apr 2020 - May 2020

Projects

- **Medical Image Segmentation: Diabetic Retinopathy** Aug 2020 - Present
 - **Automatic Screening and classification of retinal images using fuzzy image processing.**
 - Ongoing project, where the objective is to develop an application with data fusion/feature fusion techniques that can combine more than one relevant feature to detect DR at an early stage with greater accuracy.
- **Lab Report Digitization/OCR- HealthRx (Bajaj Finserv Ltd.)** Mar 2020 - Apr 2020
 - Worked in a team of 6, to seamless process and digitize different kinds of printed lab reports/health check reports to standardized discrete values of each parameter captured.
 - Furthermore, to **digitize and analyze the report data** in a standard format and extract information using **cloud OCR services**.
 - This project is a part of the Smart India Hackathon 2020 Software Edition.
- **Exam Automation** Oct 2019 - Present
 - A research-based project to **automate the examination paper correction process** for lengthy subjective answers using deep learning and natural language processing. **(On-Going Project)**
 - Submitted for **Google Machine Learning Bootcamp**, and got selected amongst the **top 20** facilitators out of 80 across India in Google AI's Explore ML program.
- **Topic Modelling and Text Classification** May 2019 - Jun 2019
 - Made a solo project centered on **Natural Language Processing** to extract topics from a large volume of text.
 - Latent Dirichlet Allocation(LDA), a popular algorithm for topic modeling with excellent implementations in **Python's Spacy package**.
- **Smart Payment Terminal - Kotak Mahindra Bank** May 2019 - Jul 2019
 - Designed a **low-cost terminal** with a team of 6, that works with our existing payment methods while leaving room for new ones. The focus was on **Mobile Payments using NFC (UPI)** and also **Aadhar Pay using Fingerprint**. This project was a part of the Smart India Hackathon 2019 Hardware Edition.

Awards and Recognitions

- Winner, Smart India Hackathon Software Edition '20 | AICTE Aug 2020
- Runner Up, Hack Overflow 3.0 | Chandigarh University Mar 2020
- Top 5, Social Star, SRM Hackathon | SRMIST Oct 2019
- Google Machine Learning Facilitator | Explore ML Program, Google AI July 2019
- Winner, Smart India Hackathon Hardware Edition '19 | AICTE July 2019
- Winner, Smart India Hackathon Software Edition '19 | AICTE Mar 2019
- Top 10 Participant | Techkriti National Technical Fest, IIT Kanpur Jan 2017

Personal Dossier

- Linguistic Skills: Professional proficiency in **English, Hindi, and Bengali**
Elementary proficiency in **German**