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 Technology, 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 final year 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 digitize different kinds of printed lab reports/health check reports to standardized discrete values of each parameter captured.
  - ➢ My domain of work was 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**