

SHAMSUNDAR PANCHAL

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🐙 github.com/shamEiNew

🌐 <https://shamsundarpanchal.wordpress.com/>

Education

University of Mumbai, Dept. of Mathematics

Master of Science in Mathematics

Jun. 2016 – Aug. 2018

Mumbai, MH

University of Mumbai, SIES College, Sion

Bachelor of Science in Mathematics, Grade: 84

Jun. 2013 – May 2016

Mumbai, MH

Maharashtra State Board

Higher Secondary School Certificate, Grade: 77.83

Jun. 2011 – May 2013

Mumbai, MH

Maharashtra State Board

Secondary Secondary School Certificate, Grade: 90.55

Jun. 2010 – May 2011

Mumbai, MH

Certifications

Machine Learning, Stanford Online

Certificate Course in ML by Andrew Ng

Feb. 2021 – May 2021

Coursera

Programming Foundations with Python

Python

Jan. 2018 – Jul. 2018

Udacity

Cybersecurity and Ethical Hacking

Cybersecurity

Jan. 2021 – March 2021

GUVI

Relevant Coursework

- Numerical Analysis
- Programming with C
- Matrix Analysis
- Fourier Analysis
- Operations Research

Experience

MRCC Solutions

Quality Analyst, SME

July 2019 – Present

Thane, MH, India

- Developing mathematical problems in a proprietary software for Pearson's MathXL.
- Functional QA of Pearson's titles in Science and Mathematics. The scope of testing includes content, functionality.
- Regression of bugs and tracking them in Agile Jira.
- Explored ways to automate some of the testing using selenium and python.

Mithibai College

Visiting Faculty for M.Sc. Mathematics

Dec 2018 – June 2019

Mumbai, MH

- Responsibilities include conducting lectures, examination, and grading. I took course on functional analysis and algebra.

Projects

Data Visualization of Music albums | Python, Matplotlib, Spotify API

October 2020

- Music loudness comparison from 1970's to present.
- Popularity of tracks based on values from spotify api of various artists
- [App to display some basic results.](#)

Math Implementations Project | Python

Jan 2020

- [Calculate Continued Fractions and primes](#)
- [Perceptron Algorithm and MP-Neuron](#)

Technical Skills

Languages: Python, SQL, Octave, LaTeX (Typesetting language for mathematics. This resume is written using it.)

Packages: pandas, matplotlib, numpy, seaborn, tensorflow, scikit-learn

Developer Tools: VS Code, Google Cloud Platform, Postman

Technologies/Frameworks: GitHub, Heroku, Git, WordPress

Awards and Fellowships

IASc, Summer Research Fellow

April 2017 – June 2017

Research Fellow

IISER Thiruvananthapuram

- Summer Research Fellow 2017 through Indian Academy of Science at IISER Thiruvananthapuram under the guidance of Prof. Srihari Sridharan (Ph.D, The Manchester University, UK) project titled “Completion of Metric spaces and Real Numbers”.

Awards

April 2013 – June 2018

Various

SIES

- College Award for scoring highest marks in Mathematics at B.Sc (overall)(2013-16).
- Shri V.Ananthans Scholarship for highest marks in Mathematics.
- Shri K.M.Doshi Charitable Trust prize for highest marks in Mathematics.
- Shri K.N.V Endowment Prize
- M/S Kamala Vivekananda Trust prize
- College Award for highest marks in physics at undergraduate level (2015).
- Awarded by INDIAN CHEMICAL SOCIETY (Bombay Division) for securing 35th rank in aptitude test in Chemistry in 2013.