Shamsundar Panchal

A/16 Radhika CHS, Kamani, Kurla West, Mumbai 400072, Maharashtra, India

📞 8369755952 ✉ panchalshamsundar7@gmail.com 🌐 https://shameinew.github.io/

 github.com/shamEiNew https://shamsundarpanchal.wordpress.com/

Education

University of Mumbai, Dept. of Mathematics Jun. 2016 – Aug. 2018
Master of Science in Mathematics *Mumbai, MH*

University of Mumbai, SIES College, Sion Jun. 2013 – May 2016
Bachelor of Science in Mathematics, Grade: 84 *Mumbai, MH*

Maharashtra State Board Jun. 2011 – May 2013
Higher Secondary School Certificate, Grade: 77.83 *Mumbai, MH*

Maharashtra State Board Jun. 2010 – May 2011
Secondary Secondary School Certificate, Grade: 90.55 *Mumbai, MH*

Relevant Coursework

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

Certifications

Machine Learning, Stanford Online
Certificate Course in ML by Andrew Ng

Programming Foundations with Python
Python

Pytorch, Udacity
Torch, Deep Learning, Autograd

Cybersecurity and Ethical Hacking
GUVI

Experience

MRCC Solutions July 2019 – Present
Quality Analyst, SME *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 Dec 2018 – June 2019
Visiting Faculty for M.Sc. Mathematics *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
- Simple Digit Classifier (Deployed to Heroku)

Technical Skills

Languages: Python, ANSI C, SQL, Octave, LaTex (Typesetting language for mathematics. This resume is written using it.)
Packages: pandas, matplotlib, numpy, seaborn, PyTorch, 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.

Udacity AWS ML Scholarship Phase I   **July 2021**
Application   *Udacity-AWS*

- Udacity AWS Scholar program phase I is about building machine learning models.