

INTERESTS

My primary research interests lie in Computer Vision, Time-series analysis and modeling and Deep Learning.

EDUCATION

- **Pune Institute of Computer Technology, University of Pune** Pune, India
Bachelor of Engineering in Information Technology; GPA: 8.67/10.0 July 2015 – June 2019
- **Apeejay School** Mumbai, India
Higher Secondary CBSE, Computer Science; GPA: 93.2% July 2014 – June 2015

EXPERIENCE

- **HSBC** Pune, India
Software Engineer July 2019 - Present
 - **Data Science:** Gaining insights through Data and building applications in Global markets team
- **Tata Institute of Fundamental Research** Bangalore, India
Research Intern - Advisor: Prof. A. S. Vasudeva Murthy Jan 2019 - June 2019
 - **Time-series modeling:** Statistical analysis and prediction on time series [[paper](#); *in submission*]
 - **Computer Vision:** Worked on Precision Agriculture using drone images with Dr. [Kota Harinarayana](#) and Dr. [Vidyadhar Mudkavi](#)
- **Inter-University Center for Astronomy and Astrophysics** Pune, India
Research Intern - Advisor: Dr. Kaushal Sharma Feb 2018 - Dec 2018
 - **Research:** Worked on Classification of Variable Stars using Deep Learning [[paper](#)]
 - **Deep Learning:** Classification using Convolutional Neural Networks on magnitude and time mappings, CNN-LSTM on time-series data
- **Asquared IoT** Pune, India
Research Intern - Mentor: Dr. Anand Deshpande Aug 2018 - May 2019
 - **Research:** Audio signal processing and Deep Learning on the sound sensors data to qualitatively assess industrial processes
- **Promethean Energy** Mumbai, India
Software Engineering Intern Nov 2017 - Jan 2018
 - **Analytics:** Flask dashboard to show patterns in anomalies on time-series sensor data, analyzed data and displayed it using Highcharts JS
 - **Optimization:** Reduced MongoDB query time by 90%, improved MEAN web-app loading time by 50% and added new functionalities
- **Redesyn** Mumbai, India
Software Engineering Intern May 2017 - June 2017
 - **Development:** Designed automated mailer methods using sidekiq mailer in Ruby to send emails to customers after various tasks
 - **Design:** Developed new activity logs of various elements using Cassandra and improved admin-side pages

ACADEMIC PROJECTS

- **Data Pipeline & Task Management:** Developed web-app based on Flask and MySQL for company's daily tasks like task assigning with Kanban board, managing clients services, and salary calculation using employees' grades [[source](#)]
- **Classification of skin cancer:** Deep learning diagnosis of skin lesions; paper submitted to ICCNT 2019 [[paper](#)]
- **Music generation using LSTM:** Trained LSTM model on songs to generate similar songs to the input
- **Polarity based Sentiment Analysis:** Calculates hype percentage of different mobile brands based on the polarity of tweets and stores output in excel file programmed in Python using Pandas and NLP library called textblob [[source](#)]
- **Web Scraping:** Scraping data from URLs and analyze it, and scraped all courses on Stanfords website and classify data fields of each course [[source](#)]

KEY SKILLS

- **Fields:** Machine Learning, Web Scraping, Software Development, Data Science, Analytics
- **Languages:** Python (Keras, Beautiful Soup, Flask), C++, Ruby (RoR), JavaScript, MEAN