SOHAM JOSHI

Website: sjoshi5.github.io | LinkedIn: Soham Joshi | GitHub: sjoshi5

Email: sohamjoshi510@gmail.com

EDUCATION

Vishwakarma Institute of Technology
- B. Tech Electronics and Telecommunications
- CPI: **9.82** *(Class Rank: 1/160)*
- Academic Representative, Student Council E&TC Dept

WORK

AlgoAsylum
- Intern, Data Science and Research
- **Pandemic Modelling**:
  Meaningful representation of population interaction through Topological Data Analysis
- **Dyslexia Detection**:
  Classification using Fourier analysis and eye tracking data

ACADEMIC PROJECTS

Visual Assistive Technology for Recognition and Navigation
- Face Detection and Recognition for Visually Disabled People
- Navigation through Crowds using stereo-imaging
- Design of Low-cost Stereo camera

Traffic Signal Manipulation for Emergency Vehicles
- Dynamic Green Corridor for emergency vehicles
- Optical Character Recognition for License plate detection
- Siren Detector to detect Active/Passive emergency vehicles

TALKS AND PRESENTATIONS

PyCon India 2020
- Presented a talk on 'Understanding UMAP'
- Covered the basics of Topological Data and Manifold Learning in Classification

Intel AI Developers Summit 2020
- Applications of AI in significant problems of the world
- Intel DevCloud Performance Comparisons

CERTIFICATIONS

- SQL for Data Science
  University of California, Davis
- Data Visualization
  University of Illinois at Urbana-Champaign

SKILLS AND COURSEWORK

- Python, C, C++, MATLAB, HTML
- Probability and Statistics
- Machine Learning
- Multivariate Data Analysis
- Tableau

CLUB ACTIVITIES

- Head of ADCS (Attitude Determination and Control Systems), Satellite Dev at Trident Labs
- Content & Editorials, TEDxVITPUNE
- Pi Editorial Board, Official College Magazine

EXTRA-CURRICULARS

- National Level Speed Skating Championship 2010
- Member of Pune Running Community
- Avid Trekker
- Astronomy enthusiast
- Blogging for Fun