Aviral Srivastava

• Github • LinkedIn • Website
avi.srivastava254084@gmail.com • +91 7007087512

EDUCATION	**Vellore Institute of Technology**, Chennai, Tamil Nadu, India.	Jul 2014 - May 2018

- B.Tech, Computer Science. CGPA : 8.34 / 10.00(relative)

RESEARCH EXPERIENCE

School of Computing Science, University of Manchester — Aug 2017 - Present

- Data Science Research Intern.
  - Built a computational neural mass framework implementing Kinetic LGN Model(Computational Neuroscience model).
  - Mentor: Dr Basabdatta Sen Bhattacharya, Researcher, Kirkland Building, University of Manchester, UK.

School of Computing Science and Engineering, VIT University — Sep 2017 - Nov 2017

- Data Science(Machine Learning) Intern
  - Built a Machine Learning model to predict backlogs of Engineering undergrads.
  - Mentor: Prof Sakkaravarthi, Former Professor, VIT University, Chennai.

School of Computing Science and Engineering, VIT University — Jul 2017 - Dec 2017

- Software Engineering Research Associate
  - Proposed a method: framework of designing Requirements Engineering in IoT based applications, published a research paper in IJSEA 2018 January edition.
  - Mentor: Dr M Sivagami, Professor and Researcher, VIT University, Chennai.

Data Science Lab, Computer Science, University of Liverpool — Jun 2017 - Nov 2017

- Data Science Research Intern.
  - Worked on Mapper Algorithm, a topological data science research project. Led a team of three interns.
  - Mentor: Dr Vitaliy Kurlin, Associate Professor, Computer Science, University of Liverpool, UK.

WORK EXPERIENCE

SocialCops — Apr 2018 - Present

- Data Engineer
  - Building Data Infrastructure at SocialCops: Data Repository, Serverless Data Streaming and Data Processing.

Bubble — Apr 2017 - Jun 2018

- Co-founder
  - Built an NLU platform for social media content; selected in Y Combinator School; featured at IBM.

SocialCops — May 2018 - Jul 2018

- Data Engineer Intern
  - Built Woodward: An automating micro-service for pricing, introduced Event Sourcing mechanism.

Wingify — Dec 2017 - Mar 2018

- Software Developer Intern.
  - Built Segmenter Services for VWO and PushCrew: Used by 10k+ accounts daily.
  - Built Support Dashboard for Pushcrew Support team.

Commutatus — Jun 2016 - Jul 2016

- Full Stack Developer Intern.
  - Built Customer Relationship Management tools.

LeagueSX — Dec 2015 - Feb 2016

- Python/Django Backend Developer Intern.
  - Built a content-management system (for daily updates in football leagues) and a "private-league" option.

PUBLICATIONS

- A Software R E Technique Using OOADA-RE and CSC for IoT Based Healthcare Applications Jan 2018

PROJECTS

- EEG Simulator
  - Free Open Source EEG Simulator for use by Researchers.
- Self Driving Remote Control Car
  - A remote control car which is self-driven once its made to learn a path.
- E-Commerce Framework
  - Created a framework easy to customize(back-end) on MVC ideology.
- Footfall Tracker
  - To track and predict footfall for every day inside hostel's canteen.

SKILLS AND INTERESTS

- **Development:** Airflow, Rabbit-MQ, Celery, Hadoop, Spark, Kafka, Django, OpenCV.
- **DevOps:** Kubernetes, Vagrant, Git, Docker, AWS, Linux.