

# Aviral Srivastava

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<b>EDUCATION</b>	<b>Vellore Institute of Technology</b> , Chennai, Tamil Nadu, India. Jul 2014 - May 2018 <ul style="list-style-type: none"><li>▪ B.Tech, Computer Science. CGPA : 8.34 / 10.00(relative)</li></ul>
<b>RESEARCH EXPERIENCE</b>	<b>School of Computing Science</b> , University of Manchester Aug 2017 - Present <ul style="list-style-type: none"><li>▪ Data Science Research Intern.<ul style="list-style-type: none"><li>• Built a computational neural mass framework implementing Kinetic LGN Model(Computational Neuroscience model).</li><li>• Mentor: Dr Basabdatta Sen Bhattacharya, Researcher, Kirkland Building, University of Manchester, UK.</li></ul></li></ul> <b>School of Computing Science and Engineering</b> , VIT University Sep 2017 - Nov 2017 <ul style="list-style-type: none"><li>▪ Data Science(Machine Learning) Intern<ul style="list-style-type: none"><li>• Built a Machine Learning model to predict backlogs of Engineering undergrads.</li><li>• Mentor: Prof Sakkaravarthi, Former Professor, VIT University, Chennai.</li></ul></li></ul> <b>School of Computing Science and Engineering</b> , VIT University Jul 2017 - Dec 2017 <ul style="list-style-type: none"><li>▪ Software Engineering Research Associate<ul style="list-style-type: none"><li>• Proposed a method: framework of designing Requirements Engineering in IoT based applications, published a research paper in IJSEA 2018 January edition.</li><li>• Mentor: Dr M Sivagami, Professor and Researcher, VIT University, Chennai.</li></ul></li></ul> <b>Data Science Lab, Computer Science</b> , University of Liverpool Jun 2017 - Nov 2017 <ul style="list-style-type: none"><li>▪ Data Science Research Intern.<ul style="list-style-type: none"><li>• Worked on Mapper Algorithm, a topological data science research project. Led a team of three interns.</li><li>• Mentor: Dr Vitaliy Kurlin, Associate Professor, Computer Science, University of Liverpool, UK.</li></ul></li></ul>
<b>WORK EXPERIENCE</b>	<b>SocialCops</b> Apr 2018 - Present <ul style="list-style-type: none"><li>▪ Data Engineer<ul style="list-style-type: none"><li>• Building Data Infrastructure at SocialCops: Data Repository, Serverless Data Streaming and Data Processing.</li></ul></li></ul> <b>Bubble</b> Apr 2017 - Jun 2018 <ul style="list-style-type: none"><li>▪ Co-founder and Applied ML Engineer.<ul style="list-style-type: none"><li>• Built an NLU platform for social media content; selected in Y Combinator School; featured at IBM.</li></ul></li></ul> <b>SocialCops</b> May 2018 - Jul 2018 <ul style="list-style-type: none"><li>▪ Data Engineer Intern<ul style="list-style-type: none"><li>• Built Woodward: An automating micro-service for pricing, introduced Event Sourcing mechanism.</li></ul></li></ul> <b>Wingify</b> Dec 2017 - Mar 2018 <ul style="list-style-type: none"><li>▪ Software Developer Intern.<ul style="list-style-type: none"><li>• Built Segmenter Services for VWO and PushCrew: Used by 10k+ accounts daily.</li><li>• Built Support Dashboard for Pushcrew Support team.</li></ul></li></ul> <b>Commutatus</b> Jun 2016 - Jul 2016 <ul style="list-style-type: none"><li>▪ Full Stack Developer Intern.<ul style="list-style-type: none"><li>• Built Customer Relationship Management tools.</li></ul></li></ul> <b>LeagueSX</b> Dec 2015 - Feb 2016 <ul style="list-style-type: none"><li>▪ Python/Django Backend Developer Intern.<ul style="list-style-type: none"><li>• Built a content-management system (for daily updates in football leagues) and a "private-league" option.</li></ul></li></ul>
<b>PUBLICATIONS</b>	<ul style="list-style-type: none"><li>▪ A Software RE Technique Using OODA-RE and CSC for IoT Based Healthcare Applications Jan 2018</li></ul>
<b>PROJECTS</b>	<ul style="list-style-type: none"><li>▪ EEG Simulator<ul style="list-style-type: none"><li>• Free Open Source EEG Simulator for use by Researchers.</li></ul></li><li>▪ Self Driving Remote Control Car<ul style="list-style-type: none"><li>• A remote control car which is self-driven once its made to learn a path.</li></ul></li><li>▪ E-Commerce Framework<ul style="list-style-type: none"><li>• Created a framework easy to customize(back-end) on MVC ideology.</li></ul></li><li>▪ Footfall Tracker<ul style="list-style-type: none"><li>• To track and predict footfall for every day inside hostel's canteen.</li></ul></li></ul>
<b>SKILLS AND INTERESTS</b>	<ul style="list-style-type: none"><li>▪ <b>Development:</b> Airflow, Rabbit-MQ, Celery, Hadoop, Spark, Kafka, Django, OpenCV.</li><li>▪ <b>DevOps:</b> Kubernetes, Vagrant, Git, Docker, AWS, Linux.</li></ul>