L Pranau Kumar

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Education

- **Vellore Institute of Technology** — Vellore, India
  Bachelor of Technology in Computer Science Engineering; CGPA: 9.11 — *Jul. 2015 – Apr. 2019*
- **AECS Magnolia Maaruti Public School** — Bangalore, India
  Higher Secondary (CBSE) in PCM with Computer Science; Percent: 93.8% — *Apr. 2013 – Mar. 2015*
- **St. Paul's English School** — Bangalore, India
  Senior Secondary (ICSE); Percent: 95.2% — *Jun. 2010 – Mar. 2013*

Experience

- **Wimera Systems Pvt. Ltd.** — Bangalore, India
  Software Engineering Intern — *May 2017 - Aug 2017*
  - **Dashboard App**: Instrumental in the development of a web based dashboard for realtime visualization of sensor data from industrial machines. Created using d3.js, MySQL, node.js and Angular.
- **ACM - VIT Chapter** — Vellore, India
  Research Division, Core Team — *Aug 2016 - Jan 2018*
  - **Machine Learning in Cybersecurity**: Involved in the research and development of a desktop application that detects malware using behavioural analysis.

Technical Skills

- **Languages**: Python, C, C++, SQL, PHP, BASH, R, Javascript, Java
- **Libraries, Tools & Frameworks**: OpenCV, Git, node.js, d3.js, Angular, C++ STL, NumPy

Notable Projects

- **Reddit Recommender System** — *Ongoing*
  Working on a system that uses an RNN and LSTM to analyse user comments and recommend subreddits.
- **Data Mining of Reddit Corpus** — *Completed Nov 2017*
  Scraped /r/india comments to perform sentiment analysis of various political events and used the Pushshift Reddit dataset to mine comment patterns on Reddit.
- **Insurance Management System** — *Completed Nov 2017*
  Developed a system for an Insurance Management Company using PHP, MySQL, Bootstrap & jQuery and hosted it on a public cloud provider.
- **Smart Traffic Management System** — *Completed May 2017*
  Developed a hardware prototype of a smart traffic controller using a Raspberry Pi and image processing. Also developed an analytics website that can collect, mine and visualize data from multiple such hardware units.
- **Anime Character Recognition using Haar-Cascade Classifiers** — *Completed May 2017*
  Trained Haar-Cascade Classifiers on Japanese cartoon characters to make a tool that recognises a character and the series the character is from.
- **Simulation of a p2p Protocol in NS2** — *Completed Apr 2017*
  Studied the working of the BitTorrent protocol and developed a Tcl script for NS2 to simulate the protocol's working.
- **Two Parameter Dijkstra's Algorithm** — *Completed Nov 2016*
  Modified Dijkstra's Shortest Path Algorithm to make it find the shortest path in a weighted graph with two independent cost values for every edge.

Notable Achievements

- 1st place in ProGeek 1.0 conducted by GeeksforGeeks. *(Aug 2017)*
- 2nd place in VIT Makeathon 2017. *(Feb 2017)*