

# Resume - Vinay Keerthi K. T.

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## Experience

### GKN Aerospace India / GKN Driveline

Developer / Systems Support Engineer | Joined: December 2015

- Designed and Developed a microservice-based system that enabled engineers to create complex workflow pipelines to abstract the way code works and utilizing a YAML based format that helped them trace the origin of a file as well as the process used to generate it.
- Created parsers for proprietary formats, allowing users to search through key information in files and projects using ElasticSearch. Users were able to search through millions of files in seconds.
- Supported the team with various SCM duties, such as deploying and maintaining the Subversion server, creating hooks for the server, as well as writing a front-end web interface for subversion that allowed cookiecutter-styled templating and autocreation of files.
- Created analytics dashboards for business leaders using Grafana.
- Connected temperature sensors around the office to allow admin staff to capture the temperature metrics with ease.

### Flipkart Internet Pvt. Ltd.

Copy Editor / Developer February 2014 - December 2015

- Created a task management tool tuned to the unique requirements of the content writing team. The tool captured and visualized key metrics, such as grammar, word counts and SEO ranking.
- Automated the creation of Unique Specification Images for Flipkart, allowing subject matter experts to create thousands of images in under an hour.

### Narasipur Autocomponents Pvt. Ltd

Engineer - Quality | May 2013 - February 2014

- Created programs to generate production reports and graphs from input data collected by engineers after each shift.

### India Nippon Electricals Ltd. (Lucas-TVS Group)

Graduate Engineer Trainee - Production Engineering | March 2012 - April 2013

- Created macros to automatically pull data from 12 industrial ovens and plot the data.

### Harita Fehrer Ltd. (TVS Group)

Graduate Engineer Trainee - Quality (Temporary) | December 2011 - March 2012

- Created spreadsheets to calculate the acceptance factors for measurement instruments for calibration.

### Indian Institute of Science

Research Assistant - Aerospace & Aeronautical Engineering | February 2011 - July 2011

- Used Python for computational analysis of a numerical model for a sandwich composite material.

## Personal Projects

- Bookshelf Search Engine with Raspberry Pis and LED Lights. [Youtube preview](#)
- Schedulable Coffee Machine using an ESP8266 NodeMCU and Relay
- One Wire Temperature Sensor System for Indoor Floor Heating Regulation

## Technical Blog Articles

1. [Creating Product Specification Images For E-Retail Using Python](#)
2. [Learn the Kana using Python and a Raspberry Pi](#)

## Technical Skills

### • Programming

- Python (Flask, pandas, matplotlib, jupyter, setuptools, cookiecutter, airflow),
- nodejs, HTML5, CSS3 and Javascript ES6 (Vue.js)
- SQL: MySQL, PostgreSQL
- NoSQL: MongoDB, CouchDB
- Git, Subversion

### • Hardware

- Raspberry Pi (all variants)
- nodemcu (ESP8266)

### • Others

- ElasticSearch, RabbitMQ, Memcached, Grafana
- Docker, Docker Swarm
- Ansible

## Education

Degree	Year	University
Bachelors of Engineering (Mechanical)	2010	Visvesvariah Technological University