

# KESHAV BANTWAL

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## EXPERIENCE

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### **Bharath Electronics Limited** – *Process Engineering Intern*

Sept – Oct 2021

- Automated Network Health Monitoring Systems (NHMS) on Red hat Linux.
- Interfaced PCB testing with automation scripts cutting down time spent on individual components

### **JP Morgan Chase & Co.** – *Software Engineering Virtual Intern*

May 2020

- Established financial data visualization feeds for traders and touched upon front-end display frameworks
- Used React, Typescript, Python and Perspective to deliver stock trading insights to terminals

### **PES University** – *Research Intern*

April – Sept 2021

- Used Python, Machine Learning (Sci-Kit Learn), MATLAB, Excel, Ansys-Fluent to arrive at a correlation for heat transfer properties for s-CO<sub>2</sub> in non-isothermal conditions
- Led team of 3 to speed up deliverables successfully within stipulated time

### **GoPack** – *Founder*

Jan – March 2017

- A short stint; Travel company that delivers curated surprise holiday/travel packages to customers

## PROJECTS/RESEARCH

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- [Algorithmic Market Trading Script](#), Data from Zerodha Kite API, manipulation and conditional matching via python, buy/sell signals generated on excel with indicators for user to take action.
- [COVID-19 death classifier](#), data grabbed from government sources, read using Py2PDF. Converted into a human readable format, and fed into Plotly to generate graphical data visualizations.
- [Geolocation services suite](#), MapQuest API to fetch data, and display it as per the user query. Includes, directions, toll checks, current geo location, altitude among others.
- [Auto Joiner](#) Open-Source Contributions to browser automation, selenium and python scripts
- [SRN Harvester](#) Harvested first year students data scripting API calls to public college database to gain insights on student body, visualized this data using JavaScript.

**Research Papers:** Natural Convection Heat Transfer Characteristics of Supercritical Carbon Dioxide on a vertical plane non-isothermal surface for a turbulent flow (Unpublished)

**Freelancing Development/Consulting Clients:** [Last Minute Podcast](#), [Team Haya Racing](#), [Paatashala Montessori World](#), [StreetSmartKids](#), [Eyedentity Asia Hospitals](#)

## SKILLS

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**Tools:** NumPy, SciPy, Sci-Kit Learn, Pandas, MS Excel, Minitab, Jupyter Notebooks

**Technologies:** HTML/CSS, Flask, Node JS, Git, Heroku, AWS EC2/Elastic Beanstalk/S2 Buckets

**Languages:** C/C++, Python, JavaScript, MATLAB

**Soft Skills:** Public Speaking, Entrepreneurship (CIE PESU), High Emotional IQ, Design Thinker

## CERTIFICATIONS / EXTRACURRICULARS

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- CERTIFICATIONS: [Machine Learning](#) (IEEE VIT), [Algorithms](#) (Stanford University), [Programming in JavaScript](#) (FreeCodeCamp)
- EXTRACURRICULARS: **PES Amateur Scientist** (2018), **Zonal Informatics Olympiad** (2019), **Advent of Code Hackathon** (2018,2019,2020), **Digital Ocean Hacktoberfest** (2019, 2020), **Primary School Education Volunteer** (MAD, 2017) **Government School Remodeling Volunteer** (PESU Bootstrap Program,2018)

## EDUCATION

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**PES University** – B.Tech Mechanical Engineering – 65% (As of 7<sup>th</sup> semester)

2018-2022

**Deeksha Jnana Sweekar PU College** – 71%

2016-2018

**CBSE 10<sup>th</sup>** – 86.24%

Batch of 2016