

Chyavan Mysore Chandrashekar

#62, Panchajanya, 4th Cross, Omkar Layout, J P Nagar, Mysore - 570008 | +91 90357-58458
[LinkedIn.com/in/chyavan-mc-45824017b](https://www.linkedin.com/in/chyavan-mc-45824017b) | chyavan.mc4@gmail.com | github.com/ChyavanKoushik

EDUCATION

JSS Science & Technology University

Aug 2016 - Sep 2020

Bachelor of Engineering in Electronics & Communication

CGPA: 9.11/10

- **Coursework** - Digital System Design, Digital Image Processing, Digital Compression Techniques, Microcontrollers & Applications, Advanced Embedded Systems, Programming in C, Java Programming, Data Structures & Algorithms (in C++), Operating Systems, Computer Networks, Advanced Calculus, Multivariable Calculus, Linear Algebra.

WORK EXPERIENCE

Western Digital

Aug 2020 - Present

Software Development Engineer

Bangalore, India

- Worked in the automation team (part of Software Tools COE) to provide software for the testing process of Enterprise SSDs.
- Took ownership of part of the software and made numerous code quality, functionality, and usage enhancements.
- Developed various SQL jobs, Windows Console apps & Services, and back-end procedures to communicate with other internal tools and process data periodically.
- Contributed to significant UI features to improve and provide a consistent user experience for users (internal) around the globe.
- **MORE...**

Western Digital

Jan 2020 - Jul 2020

Software Development Intern

Bangalore, India

- Worked on an individual automation project that involved automating the task of schematic generation in Cadence.
- Organized and scripted not only the front-end and back-end and the Cadence tool commands to achieve the addition of a significant feature that automated the process of Resistor placements in the Schematics.
- Designed and developed new user interfaces using ASP.NET and used Entity Framework to couple it with the back-end.

Cognitron

Jun 2019 - Jul 2019

Software Development Intern

Mysore, India

- Worked as an Android Developer to design and develop UI for the application 'Banyan-Tree' to automate the Enterprise Resource Planning & Data Analysis for educational institutions.

PROJECTS

Wealthbox.co.in

Aug 2021

- Independently designed and developed an Angular web application for a financial investment advisory [Wealthbox](#).
- Implemented financial calculators and utilized Google Analytics to evaluate and refine the user experience.

Raga Detection

May 2020

- Analyzed audio data as a three-dimensional signal to extract musical notes as features and used it in the application of live Raga detection and correction for Carnatic Musical Ragas.

Automation of Myopia detection

May 2019

- Implemented a Python-based hardware project using Raspberry Pi.
- **Introduced a Raspberry Pi-based stand-alone kit for portable and inexpensive usage that can be used to measure a person's visual acuity and later extended to detect color blindness when plugged into any display.**
- Employed Google Speech Recognition in the project to convert speech into logical feedback **which was used to adapt the test further.**

Gesture Recognition

May 2019

- Designed an application using Python along with NumPy and OpenCV libraries for live recognition of hand gestures using the convex-hull algorithm.

Classification of Data using SVM

Nov 2018

- Demonstrated the implementation of SVM classifiers - linear, polynomial, and RBF kernel technique in python using NumPy and Scikit-learn libraries.
- Applied the results of the implementation to develop a classifier to classify cepstral data of different speakers.

Home automation

May 2018

- Implemented a hardware-cum-software project using Arduino and dotNet to demonstrate the usage of hardware relays and software applications to control the settings of the home environment.
- Illustrated how the data of automated actions performed by the users can be visualized and effectively processed and stored.

SKILLS

Programming & Scripting - C, C++, C#, Python, Java, R, Javascript, HTML5, CSS, SQL

Technologies, Tools & Frameworks - Git, dotNET MVC, dotNET Core, Angular, MS SQL Server, MySQL

CERTIFICATIONS

- [Crash Course on Python](#) - Offered by Google through Coursera, this course builds foundational skills of python.
- [Introduction to Git and GitHub](#) - Offered by Google through Coursera, this course introduces the basic concepts of version control and how it is used to track and collaborate in a corporate setting.

EXTRACURRICULAR ACTIVITY

Animation and Digital Art

- Skilled digital artist with an introductory online course certification on animation and VFX.
- Been a part of the Digital Media team for the college and was involved in the creation of posters and promotional videos for university events, college clubs, etc.
- Served as the Digital Media Lead for the college Cultural Festival 'Jayciana' during undergraduate education.

College Clubs

- Have been an active member of technical and non-technical clubs in the college, such as IEEE, Developer Student Club by Google, Photography club, and Drama club.
- As a part of the Drama club, won a national level Drama competition, 'Alcheringa,' organized by IIT-Guwahati.
- Led the cultural team into a national-level competition, 'Antaragni' at IIT-Kanpur in my final year.