

Pathlavath Srikanth

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Education

Program	Institution	%/CGPA	Year of Completion
B.Tech in cse	Indian Institute Of Information Technology Guwahati	7.4/10	2018
XII	Sri Chaitanya Junior Kalashala, LB Nagar	91.3	2013
X	Brilliant Grammar High School, Devarakonda	86.33	2011

Professional Experience

- Full Stack Developer at Tectards
IT Firm

Guwahati

January 2017–December 2018

I worked at a newly established and rapid-growing IT based firm which deals in building interactive and user-friendly websites. I was part of the core Software development team. There are also some websites and apps I built which are not active right now. Please go through the below link to view my portfolio.

1. <http://sriportfolio.herokuapp.com/>

Technologies Used: Php, HTML, Bootstrap CSS, Ajax, Mysql, JavaScript, NodeJS, Express, ReactJS, Redux, MongoDB, ES6.

Internship

- Full Stack Developer at IIT Guwahati.
Under the guidance of Shivashankar B. Nair(Former Head), CSE

Guwahati

May 2018–July 2018

I have redesigning the whole robotics website from scratch including admin panel.

Technologies Used: Php, HTML, Bootstrap CSS, Mysql, JavaScript

Projects

- **Content-Aware Automatic Photo Enhancement**

Under the guidance of Dr. Nilkanta Sahu, IIIT Guwahati.

August 2017–April 2018

Automatic photo enhancement is one of the long-standing goals in image processing and computational photography. While a variety of methods operate on the entire image without attempting to take the content of the image into account so we present a new framework for automatic photo enhancement that attempts to take local and global image semantics into account. Specifically, our content-aware scheme attempts to detect and enhance the appearance of human faces, blue skies with or without clouds and underexposed salient regions.

- **Chatbot Using API.AI**

Under the guidance of Dr. Suchetana Chakroborty, IIIT Guwahati.

January 2018–April 2018

We tried to build an intelligent mobile Chatbot app that can understand both text and natural language (audio) and can take actions based on that. We can make it do simple calculations to performing complex operations but as of now it can do a basic talk, basic calculations, weather information, details regarding a movie you want etc. It is being done in group of 2 people. The main Advantage of such system is it can be transformed for many applications according to their use like we can make a food ordering Services, Ticketing System and these days every application, websites are incorporating such Chatbot systems.

Technologies Required: Ionic Framework, Angular Js, HTML, CSS, APIs, Node Js.

- **Parking Garage Automation**

Under the guidance of Dr. Ferdous Ahmed Barbhuiya, IIIT Guwahati.

January 2017–April 2017

This application is an Automated Parking Garage System done in a group of two, since finding secure parking spaces in a new city never visited is hard and to maximize the occupancy of the parking garage and develop a user friendly mechanism that helps customers find and reserve the parking spots available.

Role: Backend, Frontend Designing.

Technologies Required: Php, Json, HTML, CSS, JavaScript.

- **Content Management System (CMS) using django framework**

Under the guidance of Dr. Ferdous Ahmed Barbhuiya, IIIT Guwahati.

July 2016–November 2016

The aim was to develop cloud storage service to store Multimedia data with all basic necessary features accessible through web interface. Complete working system was developed (in a group of 4) using python as backend in Django framework.

Role: Backend, Database Designing.

Technologies Required: HTML, CSS, Django Framework, Sqlite3.

- **Academic Feedback Automation**

Under the guidance of Dr. Shirshendu Das, IIIT Guwahati.

March 2016–April 2016

The aim was to develop automated feedback system which allow students to submit feedback through online portal. Complete working system was developed (in a group of 4) using JSP.

Role: Backend, Frontend Designing.

Technologies Required: HTML, CSS, JavaScript, Jsp, Mysql.

- **K-Connected m-Coverage Problem in Wireless Sensor Networks**

Under the guidance of Dr. Arti Pandey, IIIT Guwahati.

January 2016–April 2016

The aim of the project was to find minimum number of active sensors for targets in wireless sensor networks. The aim can be achieved using k-connected m-coverage problem and techniques used in this problem are ILP (Integer Linear Programming), LP (Linear Programming), PLP (Primal form of Linear Programming).

Technologies Required: C Language.

Technical and Personal Skills

- **Programming Languages** : C, Java.
- **Scripting Language** : Shell Script.
- **Databases**: Mysql, MongoDB.
- **Web Technologies**: PHP, HTML, Bootstrap CSS, Ajax, JavaScript, Mysql, NodeJS, Express, ReactJS, Redux, MongoDB, ES6.
- **Platforms/Operating Systems** : Windows, Linux.
- **Hosting Platform** : Amazon AWS, Heroku.

Courses

- **Computer Science** : Operating Systems, Computer Architecture and Design, Data Structures and LINUX, Data Base Management, Computer Networks, Compiler, Theory of Computation, Programming in c, Algorithms, Discrete Mathematics, Programming in JAVA, FLAT, Cloud Computing, Software engineering, Optimization Techniques, Advanced Algorithms, machine learning .
- **Humanities** : – Microeconomics, Introduction to Linguistics, Sociolinguistics and Macroeconomics.
- **Labs** : Computer programming, Data Structures, Digital Design, Operating Systems, DBMS, Compilers, Software Engineering.

Interests and Extra-curricular Activities

- Dance and cooking.
- Sports - Badminton, Volleyball, Football, kabaddi, Cricket.
- Games - Carroms, Chess.
- Secured Silver medal in Cricket team competition conducted during YUVAAN'2016-THE ANNUAL TECHNO CULTURAL FEST OF IIITG.
- Secured Silver medal in Football team competition conducted during Inter IIIT Sports event in IIITDM Kanchipuram 2016.
- Secured Silver medal in Volleyball team competition conducted during YUVAAN'2015-THE ANNUAL TECHNO CULTURAL FEST OF IIITG.
- Secured Gold medal in Football team competition conducted during YUVAAN'2016-THE ANNUAL TECHNO CULTURAL FEST OF IIITG.
- Secured Gold medal in Kabaddi team competition conducted during YUVAAN'2016-THE ANNUAL TECHNO CULTURAL FEST OF IIITG.
- Won in Dancing Competition Zap it Up (Group) in our during YUVAAN CULTFLUX-2k17, IIITG.
- Secured Silver medal in caroms competition in our YUVAAN CULTFLUX-2k17, IIITG.

References

- Dr. Nilkanta Sahu
Assistant Professor (CSE) IIIT Guwahati.
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