

Osho Agyeya

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Projects

Voice Controlled Robot by Cell Phone Jul 2017 to Nov 2017
Constructed the robot vehicle using basic circuit elements along with Bluetooth module, 8051-microprocessor and motor driver IC.

CUDAFY Jul 2017 to Nov 2017
Implementation of CUDA in C++ for parallelization of algorithms

Implementation of graph algorithms using Scilab Jan 2017 to Apr 2017
Studied and implemented Prim's, Kruskal's, Bellman-Ford, Dijkstra's, Floyd-Warshall algorithms initially in preferred language and eventually in Scilab.

Hostel Management System Jul 2016 to Nov 2016
Normalised all the entities used in the project using the functional dependencies involved to remove data inconsistency and redundancy.

Restaurant Service System Jul 2016 to Nov 2016
Completed project documentation: System Requirements | Software Requirements Specification | Design Document | User's Manual | Test Plan | Source Code Documentation | Project Legacy

SNAGGER Jul 2016 to Nov 2016
Designed a prototype for ergonomic placement and accessibility of food items to maximize movie enjoyment in theaters while catering to the food needs of the audience by helping them to keep all their food stuff in a single tumbler.

AKS Primality Test Implementation in C++ Jan 2016 to Apr 2016
Studied and implemented AKS algorithm for primality testing.

Fastest Finger First Jan 2016 to Apr 2016
Built a circuit using SR type flip-flop IC's, AND gates, LEDs and buzzer used in quiz competitions for identifying who pressed the buzzer first.

Calculus in Economics Jul 2015 to Nov 2015
Implemented differential and integral calculus in MATLAB for given cost, revenue, salary functions of a company to plot limiting, average, marginal cost and revenue functions, relevant maximas, minimas, inflection points, rates, profit, loss and break even points to decide the salary that should be paid to the employees.

Computer simulation of Davisson-Germer experiment Jul 2015 to Nov 2015
Visualisation of Davisson and Germer experiment using Microsoft Powerpoint, Flash Player, along with Python code to carry out wavelength calculations via de Broglie hypothesis and Bragg's equation.

Awards

VIT University, Chennai Campus · **Visualiselt Hackathon Winner** Sep 2017
Generated informative visualisations for government railway dataset using Tableau.

Sport Programming

- HackerRank=1398.49 (Bronze medal for HourRank 23 | Algorithms=93rd %ile | Machine Learning=80th %ile | Functional Languages=10th %tile)
- Codechef=1561
- Codeforces=1312
- InterviewBit=Global Leaderboard:932

In top 27.5% for MindSumo Tackle Mini Internship Challenge: How can we make your day-to-day life more "intelligent"?
· **MindSumo** Mar 2017
Proposed an idea for a smart shopping app to decongest supermarkets.

Ritsumeikan University · **Arduino Snake Robot Challenge (Japan Super Science Fair 2014) 1st RunnerUp** Nov 2014

- Represented India at Japan Super Science Fair 2014(JSSF 2014)
- Coded in Arduino to direct a snake robot on a defined trajectory from source to destination without trespassing limits.

VIT University · **University Academic Rank=3**

CMS Mahanagar · **Best Outgoing Academic Student** Mar 2015

Volunteering

Red Cross Youth · Student Volunteer Jul 2016 to Jul 2017
College campus

- Organised blood donation camps(in collaboration with NSS) at college campus
- Completed YRC Techno-VIT Marathon 2016 for Cancer Awareness
- Participated in plantation drive at Sadanand Ashram
- Participated in mass plantation drive at college campus

Education

VIT University, Chennai Campus
BTech 9.52

City Montessori School Inter College, Mahanagar, Lucknow
Intermediate 97.5
Matriculation 97.8

Skills

LANGUAGES	FRAMEWORKS	TOOLS
Java	Hadoop	Tableau
Python		Android Studio
R		Microsoft Office
MATLAB		Alteryx
Markdown		Git

Certifications

Coursera MOOCs

- Machine Learning by Stanford University
- IBM Blockchain Foundation for Developers by IBM

Udemy MOOCs

- AWS Concepts by Linux Academy
- Introduction to Cloud Computing by Level Up Cloud
- SEO Training Course by Moz
- Introduction to Cryptocurrencies and Blockchain by Vizitech Solutions

Udacity MOOCs

- Android Development for Beginners by Google
- Client-Server Communication by Google
- Creating an Analytical Dataset | Classification Models | Problem Solving with Advanced Analytics by Alteryx
- Data Analysis with R by Facebook
- Data Visualization in Tableau
- Intro to Hadoop and MapReduce by Cloudera
- Intro to Point & Click App Development by Salesforce
- Introduction to Virtual Reality by Google VR
- Real-Time Analytics with Apache Storm by Twitter
- Writing READMEs

DataCamp Oct 2017

- Python Programmer
- Data Analyst
- Data Scientist

Open2Study · Entrepreneurship and Family Business Feb 2017

Languages

- English:Native or bilingual proficiency
- Hindi:Native or bilingual proficiency
- French:Elementary proficiency