K Jaysurya

Computer Science and Engineering Student

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Bangalore, India 📍

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Career Objective: To be part of a progressive organisation that gives scope to enhance my knowledge, skills and reach the pinnacle in computing and technology with sheer determination, dedication and a dream to unlock possibilities with coding

WORK EXPERIENCE

Software Engineer Intern
https://dbportfolios.com/

04/2018 – 07/2018   *Bangalore, Karnataka*
A product for aspiring stock market investors.

Achievements/Tasks
- Developed a mobile application which helps people to learn tricks and tips about investing.
- Performed 100% functionality and regression tests on dBPortfolios web application.
- Acquired good proficiency in Testing tools.

Contact: *Anitha Bandaru- anitharanjan@dbportfolios.com*

Research Associate
Center for Applied Mathematical Modeling and Simulation, PES University

08/2017 – 02/2019   *Bangalore, Karnataka*

Achievements/Tasks
- Researched on Optimization Techniques, and open source algorithms for Dynamic Ride Sharing.
- Developed an Emergency lane generation Algorithm using Clustering approach.

Contact: *Dr. Snehanshu Saha – snehanshusaha@pes.edu*

EDUCATION

Bachelors in Computer Science and Engineering.
PES Institute of Technology

06/2016 – Present   *Bangalore, Karnataka*

Aggregate
- Secured 8.47 CGPA (until 5th semester).

Pre-University
Sri Bhagawan Mahaveer Jain College

06/2014 – 06/2016   *Bangalore, Karnataka*

Aggregate
- Secured 94.3% in my Pre-University.

High School
Ryan International School

07/2008 – 06/2014   *Bangalore, Karnataka*

Aggregate
- Secured 89% in ICSE Board Examination.

TECHNICAL SKILLS

Clustering Techniques	Optimization Algorithms
OpenCV	C
C++	Java
Python	Android Studio
FireBase	MySQL

SOFT SKILLS

Strong Leadership skills.

Professionalism in relationships and managing emotions within the team.

Strong Communication Skills.

Flexible and Adaptable

ACHIEVEMENTS

Secured Second place in Kalpana 2018.
Kalpana is an annual project exhibition which attracts participants from different states.

Recipient of Foundation For Excellence Leadership award for the year 2018.

University First Rank
Secured University 1st Rank in year .2016.

Multiple Publications in National Conferences
RISE and NCSEM

Winner of Mun Best Ministry-India's Mandate.
Organised by E-cell RV College and GOOGLE.

Qualified for City Finals of Times NIE Think and Learn Challenge.
Organised by Times of India Group.

Bestowed with the PRINCE of RYAN Award.
Chosen as the best outgoing student for the year 2014

LANGUAGES

English	Telugu
Full Professional Proficiency	*Native or Bilingual Proficiency*
Kannada	Hindi
Native or Bilingual Proficiency	*Limited Working Proficiency*

FULL-STACK PROJECTS

ALZHEIMER'S DEMENTIA: A 50'S ESSENTIAL

- Developed a software application to fight one of the Top 10 global issues, Alzheimer's.
- A Chatbot which helps Alzheimer's patients to stop the progression of the disease.
- Learnt Android Studio, Firebase and familiar with DialogFlow(api.ai)
- Project won the Second Place in an annual Project Exhibition. [Team size: 3]

EMERGENCY LANE GENERATOR:

- Dynamically generate a lane for the emergency vehicles(Ambulance and Fire Brigades)
- Used Clustering algorithms to tag the vehicles on road.
- The vehicles get a message on their dash board to align and generate the lane at shortest and minimum number of vehicular movements. [Team size:2]

DIABETES HEALTH-CARE MANAGEMENT:

- An application via which patient can manage Diabetes care.
- Application uses Windows as front end platform and SQL for the backend.
- It enables both the caretaker and the doctor to keep track of the patient[Team size:2]

CONTEXT BASED IN-VIDEO ADVERTISING: [ON-GOING]

- Uses Computer Vision to generate advertisements based on the context of what is happening in the frame.
- Advantage: No prior data is required for advertisement generation (Data privacy).
- Acquiring compressive skill set (OpenCV, numpy, matplot library) to solve the problem.

RESEARCH PUBLICATIONS

REDUCTION OF CARBON-DI-OXIDE FROM ATMOSPHERE: [Published]

- Published paper in International journal of Science and Research.
- Aims to reduce Greenhouse gases, Paper ID: e-ISSN:2319-7064-IJSR34

BLOCK GRAPH OF A GRAPH: [Published]

- Paper aims to characterize the block graphs.
- Published in Vladikavkaz Mathematical Journal (Russian Journal).
- Paper ID: DOI: 10.23671/VNC.2019.1.27736

EXTRA-CURRICULAR

1. **HEAD OF CORPORATE RELATIONS- MAAYA 2018**

 My team and I, over the period of two years have been able to successfully establish partnership with the following companies. Syngene,Biocon, Microsoft, TVS, The Gate Academy, RED FM 93.5,cognizant ,KTM, Pepsi and Nivetti Systems to name a few.

2. **FOUNDATION FOR EXCELLENCE: STUDENT COORDINATOR**

Discharged my role as a Leader in coordinating with students from various states. Helped the NGO with social activities.

3. **VOLUNTEER WORK:**

Organized inGenius hackathon-2017, ICCACI conference-2018, Maaya 2017, Tedx 2018.