

DIPEN VED

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PROJECTS

Diversity and Inclusion Language Kit

Sociate is a diversity and inclusion language kit to proactively notify about the use of non-inclusion text and also suggest a better inclusive text using machine learning. Available for microsoft teams and outlook.

Pediatric Perimeter

A novel device to quantify visual fields in infants, first of its kind. Used Processing and custom hardware with native Arduino support. Optimized the algorithms to minimize the running time.

Visual Studio Extension

'Send me that!' is a visual studio extension for developers to share code snippet quickly with their peers without having to switch out of the IDE.

Gaze Tracking

Developed a deep learning module using image processing and computer vision to detect and write gaze directions in real-time.

Automated Gait Generation For Simulated Bodies

Policy based reinforcement learning approach to enable autonomous navigation through complex environments. Research Paper has been published at IEEE Conference and IEEE Xplore.

BullsEye - Corneal Topographer

A mobile based application for mapping the surface curvature of the cornea, the outer structure of the eye using OpenCV and dlib.

Extensive Social Web App

An effective cloud-based no-SQL web space developed for month long hostel fest. It provides a platform for social networking, virtual betting on teams, virtual stock market etc.

Automated Coupon System

Couponate revolves around the idea of automating personal coupons with mySQL based web app, mobile app and chrome extension

ACTIVITIES

Mentor - Microsoft Aspire

July 2019 to Current

Mentor to fresh college hires to help them ramp up on technical skills.

Computer Secretary - VMKB Hostel

July 2016 to Feb. 2018

Managed network connectivity of 100+ members in hostel. Developed an android application for complaint registration.

Committee Head - KJSCE - Codecell

July 2016 to July 2017

I led a team of 11 members which focused on promoting coding culture in college. A number of technical workshops, national-level coding competitions and seminars were organized.

Organizing Committee Member - Abhiyantri

Oct. 2015 to July 2017

Managed number of technical events conducted during the Technical Fest of KJSCE. Conducted first ever Hackathon under the fest.

EDUCATION

K J Somaiya College of Engineering, Vidyavihar, Mumbai

B. Tech Computer Science 2018

M J College

Science 2014

St. Joseph Convent High School

2012

EMPLOYMENT

Microsoft

Software Engineer

Hyderabad · Mar. 2021 to Current

Part of Microsoft Azure Core Networking team. I work on developing and maintaining the tier0 service which provides a low latency proxy framework to safely access any of the network devices throughout Azure datacenters. Used internally by Azure core products to perform any network operations.

Associate Consultant

Hyderabad · July 2018 to Mar. 2021

My work involved building highly scalable and effective cloud-based solutions on Azure for different organizations around the world. I worked on developing microservices based multi-region IOT connected car solution, running in Renault-Nissan cars worldwide.

Srujana : Innovation at L V Prasad Eye Institute

Research and Development Intern

Hyderabad · Nov. 2016 to Jan. 2017

Worked on implementation of 2 research projects focusing on solving eye diseases using minimal hardware and intensive software processing.

ToggleHead

Full Stack Developer Intern

Mumbai · May 2016 to July 2016

Developed websites like Femina Times, AZB-Intranet, RAW Pressery etc. under Togglehead, a web solution providing company.

Offee

Web Developer

Mumbai · Jan. 2016 to Feb. 2016

Developed the Offee Digital Webspace at Riidl, College Incubator. Offee provides an offline hyper local content distribution platform.

AimUno

Web Developer Intern

Delhi · Dec. 2015 to Jan. 2016

Reorganized the website using Javascript, PHP and mySQL to create more user-friendly web experience to users on AimUno, an online tutors hub.

ACHIEVEMENTS

Diversity and Inclusion champion at Microsoft Hack

Contributed to the January and September 19 release of VS Code

Represented KJSCE in ACM-ICPC Asia Regional Contest in Amritapuri and Chennai

Winner of Microsoft Concoct FY19, annual Hackathon of Microsoft

Microsoft Certified DevOps Expert, Azure Developer and Azure Security Engineer

Microsoft Certified AI Engineer and Azure Data Scientist

Problem Setter of 18 problems at Codechef.com

Guest Lecturer for Reinforcement Learning at KJSCE

Regular competitive coder at sites like codechef.com.

SKILLS

Programming Languages: C#, Python, C++, TypeScript, mySQL, C, Java, Ruby, HTML CSS

Specific Technologies: .NET, NodeJs, Celery, Rails, Bash, Git, PowerShell, Angular, Django