

Deepak Reddy Sannapareddy

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Education

Jain Faculty of Engineering and Technology,
Bachelor of Technology
Coursework: Information Science and Engineering
First class with distinction

Bangalore, Karnataka
2018-2022
GPA: 8.5/10

Work Experience

Qualcomm

Associate Engineer

Hyderabad, Telangana
August 2022 - Present

- Responsible for the fastRPC (DSP services) module within the Qualcomm SOC to offload computation from the applications processor
- Responsible for driving execution of software for Qualcomm mobile SoCs from pre-silicon to commercialization
- Interacting with cross functional technology teams to triage system level issues and propose solutions
- Providing critical optimization development to enable high efficiency applications
- Providing support in debugging Linux device drivers (Kernel mode & User mode), and general CPU and DSP software debug support

Qualcomm

Engineer Intern

Hyderabad, Telangana
February 2022 - August 2022

- Developed a Log parser that collects and parses all of the RCA logs with a particular set of parameters and then displays them in a readable format. Resulting in faster debugging
- Ported the logger tool from legacy python 2.7 to python 3.6 which resulted in better compatibility with other services

Projects

Fit Focus

September 2020 - October 2020

- A workout logging app with a map API integration for easy workout logging and keeping track of your growth. The website remembers the previous workouts resulting in easier tracking and compilation of data

Supermarket Billing System

October 2020 - November 2020

- A fully functioning supermarket billing system with integrated user personas and ability to enter promo codes. Reducing wait times at the supermarket counter

Ping Pong

May 2021 - June 2021

- A ping pong game coded almost exclusively through Javascript

Funds First

October 2021 - February 2022

- A minimalist banking website with an interactive login and dashboard aiming to make viewing, withdrawing and sending money easier

CloudStrand

August 2022 - December 2022

- A cloud application which facilitates the secure sharing of personal files and other contents through a cloud service. The application predominantly aims to preserve patient doctor confidentiality in hospitals

Research Papers & Thesis

Encrypted Data Sharing in Cloud Computing

October 2022

- Identified flaws in the current cloud storage solutions
- Implemented a cloud secure storage using CP-ABE and SHA algorithm with integration of a TA
- Developed evaluations of the proposed system and calculated results

A Comparative Analysis using various algorithm approaches to Enhance Heart Disease Prognosis

September 2023

- Identified ways to predict heart disease
- Using Naive Bayes, Ada boosting and Stochastic Gradient Descent trained a dataset
- Extracted Information and developed evaluations based on the research

Leadership & Extracurriculars

Vijaya Foundation Trust

July 2019 - August 2019

Volunteer

- Taught basic computer course to the children of Vijay Trust
- Responsible for creating documentation and the materials for the class

Jain University Atom Club

May 2018 - June 2019

Project Coordinator

- Organized tech events around the college for students to compete
- Co-ordinated a 3 day entrepreneurship awareness camp supported by Govt of India. About 85 students took part in it
- Organized a blood donation camp to “Indira Gandhi Institute of Child Health” in which about 250 students took part in the university
- Co-ordinated an arduino rover workshop as part of “IIAEM space week” in which about 65% of freshmen took part

Skills & Interests

Technical: C, C++, SQL, JavaScript, HTML, DSP, Linux, CSS, Python, Illustrator, Photoshop

Debugging Tools : Trace 32, ADB, Tombstone

Interests: UI/UX, Game Programming, Photography, Website design