Chudeep Shankar

chudeep@yahoo.in • +91 9791184568 • #F1, Omkar Gardens, 13th Cross St., Chromepet, Chennai

EDUCATION		
B.E in Computer Science and Engineering, Senior Year		2015 - 2019
SSN College of Engineering, Kalavakkam, India		
Secondary School - Shree Niketan MHSS, Tiruvallur (SSLC) - 98.2%		2012 - 2013
Higher Secondary School - Shree Niketan MHSS, Tiruvallur (HSC) - 97%		2014 - 2015

EXPERIENCE

Software Engineer, Memorang, Chennai　　　　　　　　　　　May, 2019 - Present

Setup the initial codebase for web project using Nextjs to share code with React Native and worked on core features for the website. Automated deployment using docker. Researched and implemented SEO functionalities for the website.

Research Intern, Access Health Care, Chennai　　　　　　July, 2017 - August, 2017

Automated the code generation from medical reports using Deep Learning in NLP. Optimized the medical code search and retrieval using advanced context matching. Designed and implemented an OCR Engine for detecting characters from hardcopy medical reports using OpenCV and CNNs.

International Space Camp Trainee, NASA, Florida　　　　April, 2010 - May, 2010

Successful takeoff and landing as Commander of my batch in Space Flight Simulator Program. Received Space Shuttle Commemorative Silver Coin from the mentors for exceptional overall performance during the program.

TECHNICAL SKILLS

Languages - C, Python, Javascript, Java, C++

Tools/Frameworks - React, NextJS, GraphQL, Amazon Web Services, Docker, OpenCV, TensorFlow, MySQL, SQLite, Git.

Operating Systems - Mac, Windows, Linux.

SELECTED PROJECTS

- **Facial Emotion Recognition using Deep Learning** : Implemented a deep learning based classifier to identify 26 complex and compound emotions using images from CFEE Dataset.
- **3D modelling of construction sites** : Generated 3D models from construction site images captured by drones from different angles using feature matching and image stitching.
- **Artificial Medical Assistant** - Developed an Android medical assistant that keeps track of medicine intake and notifies the patient when medicine stock is about to run out. It also sends regular updates to the doctor about the patient's vitals tracked using fitbit bands that helps in diagnosis and treatment. It connects volunteers from the nearby region to take care of the patient in case of emergencies.
- **Social Network** : A Social network website built using PHP that connects people based on interests and hobbies. Designed a recommendation system for suggesting new friends using social network analysis.

ACHIEVEMENTS AND AWARDS

- National Finalist in Robotryst competition held at IIT Delhi.
- Captained my School House team to Overall Championship.
- State Finalist in Mathematics and Science Olympiads.
- Won many quizzing contests such as Madras Quiz and was presented the Best College team award among 500 teams.
- Eco club representative for global innovation challenge Design for Change 2013.

EXTRA CURRICULAR ACTIVITIES

Active member of SSN Quiz club, Entrepreneurship Development Club and English Literary Club. Participated and volunteered for organizing events for these clubs.

HOBBIES

Quizzing, Reading books, Solving Puzzles, Playing and Analyzing Soccer games

LANGUAGES KNOWN

English, Tamil, Spanish