Salil Deshpande

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EDUCATION

Carnegie Mellon University (CMU)   May '20 | Pittsburgh, PA
Master of Information Systems Management

Shah & Anchor Kutchhi Engineering College (SAKEC)   June '18 | Mumbai, India
Bachelor of Engineering - Computer Engineering

COURSES & SKILLS

Coursework: Cloud Computing, Distributed Systems, Data Structures, Analysis of Algorithms, Theoretical Comp. Sci.
Languages: Java, C, Python, Dart, HTML, CSS, JavaScript, PHP, Swift4
Tools & Softwares: Git, Docker, Android Studio, IntelliJ Idea, Xcode, VS Code, PyCharm, Eclipse
Databases: MySQL, MongoDB

WORK EXPERIENCE

Beijing Shenji Intelligence Tech Co. Ltd.   May '19 - July '19 | Beijing, China
AI Research Intern

- Researched unsupervised learning algorithms for calculating similarity score between any 2 levels for the provided Match-3 game
- Performed tasks of data cleaning, data visualisation, and machine learning on game levels data
- Implemented and compared the performance of networks like AutoEncoders, CNN (Transfer Learning) and Siamese Networks in Python 3.6 using PyTorch

Freelance Developer   January '17 - December '18 | Mumbai, India

- Developed more than 20 native Android & iOS Apps and Websites for individuals, startups and organisations
- Created Android apps using Android SDK and iOS Apps using Swift4 and connecting to REST APIs
- Designed, developed and deployed websites in Bootstrap, jQuery and PHP/MySQL
- Set up and Managed Play Store listings

PROJECTS

Personalised Privacy Assistant App   RA - Institute for Software Research, CMU | Ongoing

- A mobile app for the IoT Privacy Infrastructure developed to assist in configuring the privacy options for IoT devices around the users which utilise and process their personal data
- Incorporating the cross-platform features using Flutter and platform specific features using Android and iOS SDKs
- Engaging in research activities on user data for the app for better understanding of user behaviour with respect to privacy control

Tartans Direct   Telstra Innovation Challenge, CMU-A | April '19

- An Android app for the Telstra Innovation Challenge, Australia for aiding long-haul truck drivers by monitoring their activity and setting reminders for rest breaks accordingly
- Set up the app for receiving and processing downstream messages containing location and truck driver positioning
- Connected the app to sensor strapped Arduino MKR NB 1500 via MS Azure IoT Hub and Telstra IoT Network

CloudChat   Cloud Computing, CMU | March '19

- A fault-tolerant micro-service architecture based chat application with services for logging in, chatting and checking user profile using RESTful Spring framework
- Containerized the application using Docker for scalability and management
- The application was deployed to multiple clouds including Azure and GCP using Kubernetes clusters and used Helm charts for managing AutoScaling rules

ACHIEVEMENTS & LEADERSHIP

- Lead Graphic Designer, YearBook Committee, CMU-A - December '18
- Received scholarship for the Facebook's PyTorch course from Udacity - October '18
- Won the second prize and a cash prize of ₹200,000 (approx. $2900) in Hunar - a national level leadership competition organised by Jaro Education, India - February '18