Salil Deshpande

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EDUCATION

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

University of Mumbai   June '18 | Mumbai, India
Bachelor of Engineering - Computer Engineering

COURSES & SKILLS

Coursework: Cloud Computing, Distributed Systems, Data Structures, Analysis of Algorithms, Web Technologies Lab
Languages: Java, Python, HTML, CSS, JavaScript, Swift4 | **Frameworks:** Android SDK, React.JS, Flutter, iOS SDK
Tools & Softwares: Git, Docker, Kubernetes, Postman, Bash | **Databases:** MySQL, MongoDB

WORK EXPERIENCE

Institute for Software Research, CMU   August '19 - Present | Pittsburgh, PA
Research Assistant: IoT App Developer
- Developing a cross-platform mobile app for the IoT Privacy Infrastructure created to assist in configuring the privacy options for IoT devices around the users which utilise and process their personal data
- Using the Flutter framework and the BLoC design pattern to develop the app with a clean and manageable codebase
- Set up the CI/CD pipeline for automating the build and making it easier to handle API keys and secrets

Beijing Shenji Intelligence Tech Co. Ltd.   May '19 - July '19 | Beijing, China
AI Research Intern
- Researched unsupervised learning algorithms for calculating similarity score between 2 levels for a 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 Rule-based methods in Python 3.6 using PyTorch

Freelance Software Developer   January '17 - December '18 | Mumbai, India
- Developed more than 20 Apps and Websites for individuals & startups with a focus on scalability and reliability
- Performed requirement gathering, project scope analysis, and timeline set up by co-ordinating with clients
- Used native SDKs for Android & iOS Apps, Bootstrap/jQuery for frontend and PHP for a RESTful backend

PROJECTS

Tartans Direct   E-comm, Tech, ML and Bots course, CMU | April '19
- A PoC E-Commerce website developed with React.JS frontend as a part of team project for the course
- Integrated Google NLP with the website for a Conversational User Interface, allowing end-users to converse with the chatbot to browse the website
- Utilised Redux for login state management and hooks for a lean and organised codebase

Cloud Chat   Cloud Computing course, CMU | February '19
- A fault-tolerant micro-service architecture based chat application with services for logging in, chatting and checking user profile using RESTful Spring framework
- The application was deployed to multiple clouds including Azure and GCP using Kubernetes clusters and used Helm charts for managing AutoScaling rules

MediLock   Rajasthan IT Day Hackathon | March '18
- Developed secure EHR leveraging BlockChain technology in the backend for ensuring the security of health data
- Created a client Android app and BootStrap/Node.js website which provided separate portals for end-users and medics, and provided access of critical patient data to relevant medics in case of emergencies

ACHIEVEMENTS & LEADERSHIP

- Won the runner up prize at State and National levels for team project, GovHack Australia - December '18
- Received scholarship for the Facebook's PyTorch course from Udacity - October '18
- Won a cash prize of $2900 in Hunar - a national level leadership competition, India - February '18