Salman Shah

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EDUCATION	**NITK Surathkal** , Mangalore, India	Aug 2015 – Apr 2019

- B. Tech. in Information Technology CGPA of 7.29/10

EXPERIENCE

Software Engineer Myntra Designs Pvt. Ltd.   Jul 2019 – Present

- Successfully designed, developed and maintained Myntra's App Installation Service scaling it to a peak of 2.25M users moving away from NodeJS to Golang saving 50% Infrastructure cost.
- Primarily developed the API Gateway Layer using Golang and GraphQL, migrating modules in the API Gateway layer from NodeJS to Golang to save Infrastructure Cost by approximately 33%.

Student Tech Lead IRIS NITK   Apr 2018 – Apr 2019

- IRIS is an online student-led Management Information System (MIS) deployed to replace the existing Pen-and-Paper system enabling campus based universities to enable digital transformation.
- Successfully scaled the system with almost a 50% increase in user traffic across the campus to 5000+ users. Used several algorithms across various problems to ensure scalable code on production with 99% uptime.
- Managed a team of 40 Software Developers and Product Managers to develop modules integrating offline procedures such as Fees Payment, Placement, Faculty Appraisal, etc.

INTERNSHIPS

Google Summer of Code Open Library, Internet Archive   May 2018 – Aug 2018

- Improving Open Library with the addition of new options to the feature of Public Reading Logs and creating a new UI for merging Workflows. Addition of 10000 new books to Open Library using Python Bots for ONIX and the Internet Archive Wishlist, a set of book metadata in the Open Library Database.

Web and Data Science Intern Haqdarshak, Mumbai, India   May 2017 – Jun 2017

- Developed a Full Stack Management Information System (MIS) application using Flask resulting in a 33% increase in follow up rate for applications which were made to various Government Schemes.
- Developed an Android Application with Flask Backend validating users using their Aadhaar Number via the Aadhaar SDK. Improved testing coverage upto 80% of the Android App using Roboelectric Testing Framework.

STARTUPS

Lead Web and App Developer, Wheels On Roll, Mangalore, India   Sep 2016 – Mar 2017

- Successfully developed a prototype for a cycle locking mechanism using a RPi communicating with a Flask Backend and Android App for user input.

TECHNICAL SKILLS

Languages/Markup and Scripts - Go, Ruby, Python, C++, Bash.

DBMS - MySQL, MongoDB

Frameworks and Libraries - Ruby on Rails, Laravel, GraphQL.

SELECTED PROJECTS

- **Hybrid Malicious Code Detection using Deep Learning** A hybrid model comprising of an autoencoder for dimensionality reduction and a Deep Belief Network (consisting of multilayer restricted Boltzman Machine and a layer of BP Neural Network) to detect Malicious Code.
- **Automated question answering using LSTMs** Built an end-to-end chatbot to answer questions from a given sample corpus of Game of Thrones books and TV Series Subtitles.

ACHIEVEMENTS

- **Google Code-in 2018: Mentor (ns-3 organisation)** Overlooked 30+ open source contributions for ns-3.
- **Winner (Microsoft Code.Fun.Do)**, Online Round and Campus Round. Created an Augmented Reality based app determining locations via Maps API and uses Azure Cloud.
- **Winner (AMD Tech Day Hackathon)** Built a RL prototype using Actor-Critic Models to predict Stock Prices using AMD Deep Learning Library.

EXTRA CURRICULAR ACTIVITES

- **Convenor** at **IEEE-NITK Student Branch** Managed a team of 130 Executive Members and 500+ Student Members to conduct a 15+ of activities, notably driving Women in Tech initiatives.
- **Web Dev SIG Co-Head Web Enthusiasts Club - NITK** Managed a team of 15+ Student Developers to complete Institute sponsored projects driving technological adoption across the Institute.
- **Internship Co-ordinator at Department of IT, NITK Surathkal** Successfully managed a team of 6 co-ordinators with managing 30+ companies on campus during the internship drive season.
- **Editorial Team Member at Team Shoreline(College Magazine)** Initiated a new track called Humans of NITK thereby resulting in higher engagement with the core user base for the magazine.

[*CV compiled on 2020-06-28*]