AYUSH VERMA

Tell me and I forget. Teach me and I remember. Involve me and I learn.

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EXPERIENCE

SARVA YOGA LLC
Software Engineer

📅 May 2019 – Present   📍 Mumbai, India

- Architected and implemented a layering approach for the container images being used by all the prod/stage applications by separating each layer with a specific purpose enabling separation of concerns, increasing re-usability and reducing costs in the infrastructure side.
- Migration of our centralised logging infrastructure from splunk to sumologic for our main API as well as other microservices
- Architected and implemented a layering approach for the container images being used by all the prod/stage applications by separating each layer with a specific purpose enabling separation of concerns, increasing re-usability.

OptionsXchange
Co-founder/Head of Product

📅 June 2019 – October 2020   📍 Global

- Developing algorithms for arbitrage, long + short and derivative trading strategies to generate consistent trading returns in short-term market cycles. Used time-series analysis to predict positions.

Postman API Tools
Backend Developer Intern

📅 January 2019 – May 2019   📍 Bangalore, India

- Migration of our main API along with other microservices which powers all the payments going through our systems, from the legacy infrastructure which with traditional Autoscaling groups to kubernetes workload, which helped reduced deploy time, improving it's reliability and reducing costs in the infrastructure side.
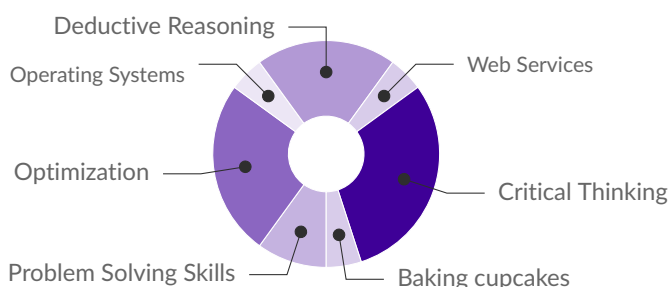
Nokia Networks
Software Developer Intern

📅 Jan 2018 – May 2018   📍 Chennai, India

- Conceived a chatbot for internal purpose, built with Google DialogFlow and JS. Hosted on native cloud servers.
- Developed a web-application running on Azure for data visualization of available IoT devices.

SKILLS AT A GLANCE

Deductive Reasoning • Operating Systems • Web Services • Optimization • Critical Thinking • Problem Solving Skills • Baking cupcakes

ACHIEVEMENTS

🏆 **First Rank among 328 teams**
Hindustan Unilever BFS Hackathon: Finance Hackathon, in which participants will be challenged with business problems

👥 **Top 20 among 300 teams**
Save the Hacker - Freshworks : Built EduFix - AI conversational bot - Personal smart tutor

🏆 **First Rank among 210 teams**
Coviam Botathon : SmartShoppingBot - Used Engati Chatbot Platform and designed a NodeJS bot which enables 3D maps and easify Shopping Experience.

🏆 **First Rank among 78 teams**
GUVI Tech Hackathon: Decentralized application on Ethereum blockchain

VOLUNTEERING

HelpAge Foundation India
Committee Member

📅 March 2016 – May 2017

- Held a volunteer position as a IT Engineer for Chennai chapter.Handled regular duties like web design and record keeping.
- Managed blog to announce regular fundraising events.

Chennai Volunteers
Ambassador

📅 March 2015 – January 2017

- Part of recreational, enriching and educational volunteering. Organised summer camps for visually impaired children across city.
- Managed blog to announce regular fundraising events.

EDUCATION

Bachelor of Technology in Computer Science and Engineering
SRM Institute of Science and Technology

📅 April 2014 – June 2018

Physics, Chemistry and Mathematics
Sanmati International

📅 Sept 2000 – June 2014

INVITED TALKS

- "**A brief Introduction to Chatbot and Bot Mockup Language**" at Facebook Developer Circles in 2019. This talk was about bot development using Neural Networks ans Azure Cloud.
- A Walkthrough to various Cloud services like AWS, AZURE abd IBM Cloud at Nokia Networks, Chennai in 2017.

OPEN SOURCE

- "**Digital Ocean Hacktober fest** - Contributed to Academia project on Github. Platform was built with Python.
- SRM Xversity - Repository owner for unofficial University schedule application.Android app was downloaded 25k times on Google Playstore.
- Postman API Tools - Three successful pull requests to fix the code complete feature.
- IET Hack for good - Researched and Designed the competition questionnaire.

PROJECTS

SRM Search Engine
- A General Purpose Search Engine, funded by "National Internet Exchange of India"
- It got covered thrice in Times Of India and by Vasanth TV.
- Oversaw migration to Flask based app from a legacy CGI service. Helped write RESTful API's for various smart modules for our search service

GPA Calculator
- GPA calculator to simplify the process of calculating GPA for the students of SRM University.

Recruitment Platform
- Designed Recruitment platform from scratch for CSIR - Government of India).
- Used ASP.NET and MySQL along with bare metal servers. Cumulative traffic of 100K users in 45 days.

Research Paper
- Worked on developing a novel heuristic to solve the K-Centers Problem using Tree-Independent Dual-Trees with Assistant Professor M. Nithyakalyani.