Deep **Vyas**

SOFTWARE ENGINEER

☐ (+91) 70-2124-6585 | ✉ vyasdeep.dv@gmail.com | ⌂ https://deepvyas.github.io | ⌨ deepvyas | �. deep-vyas

Education

BITS(Birla Institute of Technology and Science),Pilani   *Pilani, India*
B.E(HONS) IN COMPUTER SCIENCE AND ENGINEERING   *Aug. 2014 - Aug. 2018*
- Graduated with a Cumulative grade point of **9.65/ 10**

Skills

Programming	C#, Java, Python, JavaScript
Web	ASP.Net Core, Spring-Boot
Miscellaneous	Azure Cloud Services, K8s, SQL/NoSQL Datastores, Kafka, Change Streams

Experience

Microsoft India Development Center   *Hyderabad, India*
SENIOR SOFTWARE ENGINEER   *Aug. 2021 - PRESENT*
- Working with Azure Data organisation to build tools and services for helping with database modernisation (cloud migration and hybrid management.)
- Developed an extension for Azure Data Studio which helps in offline assessment of Oracle Databases.
- Currently working on building a cloud based solution for customers to be able to modernize their database estate, by discovering, assessing and building business cases at-scale to determine migration/hybrid management path.

Goldman Sachs   *Bangalore, India*
SOFTWARE ENGINEERING ANALYST   *Jul. 2019 - Aug. 2021*
- Worked in development of Apple Card platform for Marcus, a consumer bank by Goldman Sachs.
- Developed shared services and libraries to be used across cloud platform for solving common concerns like security, crypto, data etc.
- Maintained large scale Mongo deployments in association with MongoDB Atlas.
- Developed a change-data-capture platform to help with data governance and compliance.

Samsung R&D Institute   *Bangalore, India*
SOFTWARE ENGINEER   *Jun. 2018 - Jul. 2019*
- Involved in Development Deep Neural Models for large class Object Recognition.
- The models are designed keeping in mind they are to be deployed on-device. These are trained using Caffe as a framework.
- Developed several modules in C++ of the core on-device AI engine behind Bixby Vision, which deploys the above models on Flagship devices.

Microsoft India Development Center   *Hyderabad, India*
SOFTWARE ENGINEERING INTERN   *Jan. 2018 - Jul. 2018*
- Developed various native C++ and Android modules of an SDK to help anyone make custom chat cards in Microsoft Kaizala.
- Chat Cards are HTML pages which can be used for purposes like taking a Poll or playing arcade games with leaderboard in a group.
- Involved in development and maintenance of some out-of-the box game chat cards like 2048.

Samsung R&D Institute   *Bangalore, India*
SOFTWARE ENGINEERING INTERN   *Jun. 2017 - Jul. 2017*
- Developed a statistical model for ranking objects to improve user experience.
- Deployed the above model as a RESTful API for My Galaxy App used in most Samsung Mobile Devices.

HBCSE, Tata Institute Fundamental Research   *Mumbai, India*
SUMMER INTERN (UNDER PROF.G NAGARJUNA)   *May. 2016 - Jul. 2016*
- Developed and interactive dashboard for Data Analytics of MetaStudio, a GNU project subsidiary.
- The feature involved developing a visualization dashboard to provide the admin a sublime analytics of data being collected from schools across 4 Indian states

Projects

Extractive Text Summarization

Dr. Yashvardhan Sharma   *Jan. 2017 - May. 2017*

- Conducted studies in the field of automatic text summarization especially techniques used in the domain of Neural Networks.
- Developed a prototype system based on CNNs for the task of summarizing texts of Indian Languages.
- Also developed a small tool for scraping and transliterating various tweets and product reviews.

Exploration of DNS Cache Poisoning Attack in SDN Environments

Dr. Vishal Gupta   *Aug. 2017 - Dec. 2017*

- Researched various DNS cache poisoning techniques like Kaminsky attacks and measures made to prevent them.
- Explored the methods to program network flow in SDN environments on OpenFlow enabled switches.
- Tried to adapt a paper Delay Fast Packets in the SDN environment by implementing it in FloodLight, an OpenFlow complient switch controller.

Legistify (Start up Company)

Backend Developer Intern   *Feb. 2015 - Dec. 2015*

- Involved in development of automated document making platform, which is the first of its kind in the country.
- Developed a Q&A forum as a part of Legal Research Section of the platform.

Extracurricular Activity

Coding Club, BITS-Pilani   *India*

Core Member & Technical Head   *Aug. 2014 - Aug. 2018*

- Gained expertise in development and deployment of Web Applications as a part of Club activities in Cultural and Technical Fests.
- Gained experience in leading a team of web developers to build on quizzing event, and also a Capture The Flag genre event.