

# Deep Vyas

SOFTWARE ENGINEER

☎ (+91) 70-2124-6585 | ✉ [vyasdeep.dv@gmail.com](mailto:vyasdeep.dv@gmail.com) | 🏠 <https://deepvyas.github.io> | 📷 [deepvyas](#) | 🌐 [deep-vyas](#)

## Education

### **BITS(Birla Institute of Technology and Science),Pilani**

B.E(HONS) IN COMPUTER SCIENCE AND ENGINEERING

*Pilani, India*

*Aug. 2014 - Aug. 2018*

- Graduated with a Cumulative grade point of **9.65/10**

## Skills

**Programming** JAVA, Python, C++, JavaScript

**Web** Spring-Boot, Vert.x

**Miscellaneous** Spring-Boot, Vert.x, SQL/NoSQL Datastores, Kafka, Change Streams, AWS Services

## Experience

### **Goldman Sachs**

SOFTWARE ENGINEERING ANALYST

*Bangalore, India*

*Jul. 2019 - PRESENT*

- Worked in development of Apple Card platform for Marcus, a consumer bank by Goldman Sachs.
- Developing shared services and libraries to be used across cloud platform for solving common concerns like security, crypto, data etc.
- Maintaining large scale Mongo deployments in association with MongoDB Atlas.
- Developing a change-data-capture platform to help with data governance and compliance.

### **Samsung R&D Institute**

SOFTWARE ENGINEER

*Bangalore, India*

*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**

SOFTWARE ENGINEERING INTERN

*Hyderabad, India*

*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**

SOFTWARE ENGINEERING INTERN

*Bangalore, India*

*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**

SUMMER INTERN (UNDER PROF.G NAGARJUNA)

*Mumbai, India*

*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 compliant 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

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### 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.

## Honors & Awards

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### DOMESTIC

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|------|---|---------------|
| 2014 | <b>All India Rank 1884</b> , Out of 14L students that appear for JEE Mains, National Level Entrance Examination.                | India         |
| 2014 | <b>Top 1%</b> , Maharashtra State Board of Secondary and Higher Secondary Education. Received Inspire Scholarship for the same. | India         |
| 2016 | <b>2nd Place</b> , APOGEE, Annual Technical Festival at BITS-Pilani   | Pilani, India |