Hemang S Kumar

Senior Year B.Tech Student

Computer Science & Engineering

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Objective

To be a part of enthusiastic work environment, where I can put my creative and technical skills to use, to learn, and apply the knowledge to solve problems.

Academics

Year	Degree	Institute	Percentage / CGPA
2014 - Present	Computer Science & Engineering	University School of ICT, GGSIPU	70.14%
2014	Class XII , CBSE	DAV Rohini, Delhi	95.4%
2012	Class X, CBSE	DAV Rohini, Delhi	9.6 CGPA

Internships & Training

NOVEMBER 2017 - JANUARY 2018

News Apps & Interactives Team, Hindustan Times *- Internship*

- Learnt the process of creating Data Stories while working on news stories on range of topics covering Air Quality and Pollution, Houses of Parliament of India.
- Worked with datasets on Indian Primary Education, Matrimony, while learning to use bleeding edge techniques for real world data scraping and analysis in python under mentorship of my team.
- Worked with the team on Twitter based bot and deployment in production environment which fetched data from API and tweeted real time election updates.
- Technologies used: D3.js, node.js, Pandas, python3

SEPTEMBER 2016 - NOVEMBER 2016

Software Development Cell, GGSIPU *- Software Development Intern*

- Created a Faculty Feedback System for GGSIPU as a part of team comprising of 5 members.The system is used by approximately 9000 students and over 800 faculty members, who fill and view feedback respectively, each semester, made using Materialize CSS, AngularJS, Java Spring.

JUNE 2016 - AUGUST 2016

HackVeda - *Android Development Training*

- Conceptualized and developed an application called nexusUSICT for social interaction and schedule management for students. Worked with Metasploit Framework and its applications in present Android scenario.

OCTOBER 2015 - NOVEMBER 2015

Foodlocatr, New Delhi - *Web Development Intern*

- Developed a RESTful web application to facilitate restaurant search, created a UI following minimalistic design philosophy.

Projects

AUGUST 2017 - SEPTEMBER 2017

NAAC Web Portal - *Portal for Data Collection of GGS IP University for NAAC Evaluation Report*

- Created a web application to facilitate faculty members to save their professional data such as Books published, Journal Papers, Awards won, Projects and Workshops etc, working in a 4 member team, practicing agile development model. The web portal will be accessible by all the faculty members of GGSIPU and to be used for data collection throughout GGSIPU during October 2017 tentatively.
- Technologies used: Materialize CSS, AngularJS, Django.

MAY 2017 - AUGUST 2017

Recruitment Portal - *Web Application for Recruitment Process at GGS IP University*

- Worked on creating a Recruitment Portal where applicants who wish to apply for jobs at GGSIPU can apply and track their applications, working in a 4 member team. The first version of this application was used in June 2017 by over 700 applicants, then an improved second version with inclusion of more features such as application tracking, notifications support etc was made during July - August 2017.
- Technologies used: Materialize CSS, AngularJS, NodeJS.

JULY 2016 - AUGUST 2016

nexusUSICT - *B.Tech Minor Project in 5th Semester*

- Web Application accompanied by an Android application, which acts as a schedule and assignment management tool for students and teachers. Worked with Firebase to provide a real time database and notifications in Android app.

Open Source

Jekyll Themes - *Themes for the static site generator*

- Created two Jekyll themes named Gravity and DevJournal, which are available completely open source, community driven and available on GitHub.

Open Source

automata-python *- Python library*

- automata-python is a python library implementing deterministic and non deterministic finite automata, mealy machine and moore machine.

Open Source Contribution

MAY 2017 - AUGUST 2017

Google Summer of Code 2017 *- Student Developer at coala*

- Improved website of coala by creating an interactive documentation with live search, created a web based interface to use coala online, as it was earlier a command line tool.
- Collaborated with my mentors Lasse Schuirmann and Fabian Neuschmidt to formulate and understand design requirements.

Computer Skills

Programming Languages	Python, C, C++, Java, JavaScript
Data Analysis and Data Visualization	D3.js, Pandas, IPython, Google Charts API
Platforms	Linux, macOS, Windows
Web App Frameworks (Backend, Frontend)	Django, ExpressJS, Spring, Flask, AngularJS, jQuery
CSS Frameworks	MaterializeCSS, Bootstrap
Version Control	Git, GitHub, Bitbucket

Achievements

- Winner of IGDTUW Data Hackathon 2016
- Winner of Java Spring Development Hackathon held at USICT organised by To The New

Position of Responsibility

- **Student Technical Head** at Software Development Cell, GGSIPU
  My responsibilities include managing the maintenance of Softwares developed at SDC, mentoring the new developers, collaborating with team to design systems and solving real time issues and concerns.

- **Joint Secretary** at Open Source Learning Club, USICT
  Organise workshops, meetups for students to increase awareness about open source development and the idea of bringing together community to create well written and documented softwares.

Extracurricular Activities

- Completed Citizenship and Cultural Richness Course at St. Stephen's College, University of Delhi
- Organized Quiz Event based on social interaction and TV shows in Annual Techfest of USICT.