Brijesh Kumar

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EDUCATION

DEI UNIVERSITY
B.Tech. Civil (Computer Science)
May 2020 | Agra, IN
Cum. GPA: 7.62

LINKS

Github:// **Brijeshkumarrajput**
LinkedIn:// **brijeshrajpt**
Hackerrank:// **brijeshrajpt**
Codeforces:// **brijeshkumar**

COURSEWORK

UNDERGRADUATE

Design and Analysis of Algorithmm
Data Structure
Mobile and Quantum Computing
Operating System and Compiler Design
Basic Electronics
Computer Networks
Object Oriented Programming
Unix Tools and Scripting
System Programming

SKILLS

PROGRAMMING

Experienced:
• Python
• Shell
• C/C++
• Tcl
Intermediate:
• Perl
• SystemC
• HTML
• Verilog or VHDL
Familiar:
• Java
• Questa
• PHP

OPERATING SYSTEMS

• Linux/Unix • Windows

DEVELOPMENT LIFE CYCLE

DevOps:
• CI/CD
• Jenkins
• Docker
Agile:
• Jira
• Perforce

INTERNSHIP EXPERIENCE

SYNOPSYS INC. | Technical Engineering Intern
Feb 2020 – Present | Noida, IN
- IP Development and Automation for Virtual Prototypes
- Infrastructure tool development and testing
- Jenkins build loop monitoring

NXP SEMICONDUCTORS | Software Engineering Intern
Apr 2019 – Sep 2019 | Bangalore, IN
- Worked in the Qualification and Release team, primarily Use Python, Perl and Shell Script to plan, design and develop the full implementation of automatic tool for performing unit test to qualification of memory. tool can generate unit test log and report files.
- Created a cronjob tool to manage release and delivery .
- All code and tools was documented, reviewed, perfected, and pushed to production.

TELENOR INC. | Embedded Software Trainee
Jun 2018 – Jul 2018 | Agra, IN
- Analyse, monitor and improve efficiency, stability of the system.
- Familiar with software configuration management tools, defect tracking tools, testing tools, and peer review.
- Interface with hardware design and development.

PROJECTS

LI-INET | Undergrad Research
Jan 2015 – Jan 2020 | DEI, Agra, IN
Worked with Prof K Hans Raj to create a working prototype, to transmit the data through illumination of LED buld using visible light communication at the rate of 5 gbps. selected in state lavel top 10 innovative ideas. Project covered by Amar Ujala.
Tool Used : Raspberry Pi , Arduino and Multiple Sensors .

ROBOTIC ARM | Texas Instruments Inc. Project
Oct 2016 – Jun 2018 | DEI, Agra, IN
Lead the development of Digital Design Contest project, with Prof Ajay Saxsena to automate industrial production using robotic technologies.
Tool Used: Python, Energia and Electrobot MSP430.

CERTIFICATES

MASTER IN DEVOPS | Udemy
PYTHON AND FLASK BOOTCAMP: WEB DEVELOPMENT | Udemy
GOOGLE ANALYTICS AND DIGITAL UNLOCKED | Google Inc
DATA ANALYTICS: MINING AND ANALYSIS OF BIG DATA | Alison

AWARDS

Year	Level	Award
2020	National	2K rank at Hackerrank
2017	National	Quarter Finalist in Innovative Design Contest by TI Inc.
2016	1st Prize	Srijan 2016 Working Model Compitition
2015	2nd Prize	UP State level Model Competition
2015	1st/600	DEI Innovative Idea Contest