

# DANISH PRAKASH

59/3D, Kali Bari Marg, Sector - 2, DIZ Area, Delhi - 110001, India  
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## EDUCATION

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### **Bachelor of Technology in Computer Science**

August 2014 - November 2016

Relevant coursework: Operating Systems, Data Structures  
and Algorithm Design, Compiler Construction, Advanced Java Programming  
Amity University, CGPA: 7.27/10.00

### **Class XII, CBSE**

April 2012 - May 2014

Relevant course: Introduction to C++ Programming Language  
Bal Bharati Public School, Delhi, 86%

### **Class X, CBSE**

April 2010 - March 2012

Bal Bharati Public School, Delhi, 76%

## SKILLS AND INTERESTS

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<b>Interests</b>	Programming Languages, Operating Systems, Compilers, Automation, File Systems, *Nix Systems, Design Patterns, Algorithms, Functional Programming
<b>Tools &amp; Skills</b>	C/C++, Python, Javascript, Git, Shell Script, Vimscrip, Vim, GCC, GDB, Haskell Django, React, MongoDB, MySQL, NoSQL, Amazon AWS

## PROJECTS

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### **GithubFS: Virtual filesystem in userspace**

2018

*Major Project as a part of curriculum*

- A virtual filesystem using FUSE library.
- Developed to facilitate easier integration of Github repositories on local machine.
- Runs in userspace making it platform agnostic.
- Written in Python programming language using Github API.

### **vim-zen: Minimal plugin manager for the Vim editor**

2018

*Side project*

- Minimal plugin manager for the Vim editor.
- Written in Vimscrip with multithreading using Python integration.
- Easy and intuitive terminal user interface for installation, updation and removal of plugins.

### **Amizone-CLI: Command line interface for University portal**

2017

*Side project*

- A fully functional command line interface for interacting with our university portal.
- Allows easy and consumable view of attendance, faculty details and class schedule.
- Written in Python using Selenium and BeautifulSoup4 libraries.

### **dash: Shell interpreter in C**

2017

*Summer Internship Project*

- Implementation of a fully functional shell interpreter written in the C programming language.
- Support for piping of multiple commands using file descriptor manipulation.
- Feature set includes history recollection, color-coded output, ability to implement custom commands.

## EXPERIENCE

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### **DataGrokr**

*Software Engineering Intern*

November 2018 - Present

*Bangalore, India*

- Working as a software engineer under the Woodmac team.
- Developed POCs for integration in existing projects, using ReactJS.

### **SocialCops**

*Software Engineering Intern*

July 2015 - May 2016

*Delhi, India*

- Rewrote a Python application used for retrieving funnel data from the database and turned it into a package.
- Increased user retention on web platform by implementing search filters by tags and names.
- Developed an Alexa skill which responds to funnel based queries using real-time data hosted from AWS Lambda.

### **AT&T**

*Software Engineering Intern*

July 2015 - May 2016

*Noida, India*

- Developed a functional command-line interpreter(shell) in C for Unix based systems.
- Implemented various inbuilt commands using standard Linux system calls
- Feature set includes piping commands, history recollection, & colored output.

### **Sportido**

*UX Designer*

July 2015 - May 2016

*Noida, India*

- Illustrated UI wireframes for the iOS application.
- Redesigned the UI for the android application as per material guidelines.

## EXTRA-CURRICULAR

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### **Google Code-In**

*Mentor*

2017 - 2018

*Remote*

- Guided students new to Open Source Software development.
- Assisted students on tasks such as programming, version control and documentation.

### **CRY (Child Rights & You)**

*Designer*

2017 - Present

*Delhi, India*

- Community work as member of the North Delhi Digital Team for CRY.
- Designed and drafted various promotional materials, presentations and blueprints for multiple events.
- Events focus on the welfare of underprivileged children of Delhi.

### **Open Source Contributor**

Present

- Documentation and trivial patches merged into the **CPython** repository
- Migrated tests to pytest for **Microsoft's ptvsd** Python debugger package.
- Other contributions include patches to **Google**, **GNOME** and **GNU**.

## HYPERLINKS

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- [Blog](#), [Code](#), [Other projects](#)

## DECLARATION

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I hereby declare that all the details furnished above are true to the best of my knowledge and belief.