AMIT SINGH

Bangalore, India

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Education

Lovely Professional University   **Aug. 2018 – June 2022**
Bachelor of Technology in Computer Science Engineering   *Jalandhar, Punjab*

Relevant Coursework

- Data Structures
- Software Methodology
- Algorithms Analysis
- Database Management
- Data Science
- Internet Technology
- Systems Programming
- Computer Architecture

Experience

Infineon Technologies   **April 2022 – Present**
Software Engineer   *Bangalore, Karnataka*

- Working on Smart Card Technology and different cryptographic Algorithms, development of various Java Card Operating System, government ID and payment applets.
- Incorporated scripts using Python and PowerShell to aggregate XML test results into an organized format and to load the latest build code onto the hardware, so that daily testing can be performed.
- Utilized Jenkins to provide a continuous integration service in order to automate the entire process of loading the latest build code and test files, running the tests, and generating a report of the results once per day.
- Developed a service to automatically perform a set of unit tests daily on a product in development in order to decrease time needed for team members to identify and fix bugs/issues.

Infineon Technologies   **July 2021 – March 2022**
Software Engineer Intern   *Bangalore, Karnataka*

- Developed a tool Java Card Profiler to get performance measurement for various applets and help in optimizing diff rent java card operating System.
- Worked with JCVM and JCRE, automated loading of multiple applets on to the card and communicating with them.
- Collaborated with team members using version control systems such as Git to organize modifications and assign tasks.

Projects

Sorting Visualizer | *JavaScript, React, HTML, CSS*   **June 2021**

- The concept of visualizing algorithms lets us understand algorithms in a much better way.
- It includes visualization of few classic sorting algorithms such as: Bubble Sort, Selection Sort and Insertion Sort.
- Link - 28amit.github.io/Sorting-Visualizer

E-commerce Website | *Python, Django, HTML, CSS*   **May 2020**

- Used Django to build a dynamic E-commerce website.
- Rest API for integrating payment gateway.
- Link - womanlab.herokuapp.com

CODE PLAYER | *HTML, CSS, JavaScript*   **May 2019**

- On the same screen we can write your HTML, CSS, JavaScript and also see our Output.
- Link - 28amit.github.io/Code-Player

Technical Skills

Languages: C++, Python, Java, C, C, HTML/CSS, JavaScript, SQL
Developer Tools: VS Code, Eclipse, Google Cloud Platform, Android Studio
Technologies/Frameworks: Java Card, Global Platform, ISO7816, SHA, DES, AES, RSA, ECC, Jenkins, GitHub, MongoDB, XUnit

Leadership / Extracurricular

Department of Youth Capital   **April 2018 – May 2019**
Anchor   *LPU*

- Managed administration of 250+ volunteers, execution of 10+ events/semester and recruited 100+ volunteers
- Hosted Literary Fest – Multiple literary competitions like Debate, Extempore, Poetry etc.

Rural Immersion Camp   **Jan 2020 – Feb 2020**
Project Coordinator   *Bhagalpur Bihar*

- Organized various awareness programs related to Government schemes, setting up waste disposal, career counselling etc.