

Kaustubh Shrivastava

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EDUCATION

Vellore Institute of Technology
B.Tech in Computer Science and Engineering

- CGPA - **9.02**

Lal Bahadur Shastri School

Science with Mathematics, Senior Secondary School

- Percentage - **88.2**

Delhi Public School

Secondary School

- CGPA - **10.00**

Vellore, Tamil Nadu, India

July 2019 - Present

New Delhi, India

April 2017 - March 2019

Roorkee, Uttarakhand, India

April 2015 - March 2017

WORK EXPERIENCE

Mozilla Firefox Club, VIT

Project's Lead [[Certificate](#)]

Vellore, Tamil Nadu, India

December 2020 - January 2022

- Orchestrated many projects which consisted of **mobile application development** and **web application development** using **Java, Kotlin, Django, HTML, CSS and JS**. This boosted my growth for planning and organising various kinds of projects. The latency in the club website was reduced to **1.5 seconds**. [[Website](#)]
- Spearheaded a **mobile game application** made using **Java** called the Bug Venture App for the club's event in the Gravitas Technical Festival which was played by **300+ participants**. This accelerated the influence of the club among the college students and resulted in an increase of core members to **200+**. [[SourceCode](#)]
- Conducted a **competitive coding competition** named MozCode which had an appearance of **1000+** students from around the country. Mentored club members for framing coding problems and also **designed the problems** for the final round of the coding competition. **Developed the website** for the event using **HTML, CSS and JS**. [[Website](#)]
- Authored blogs on Machine Learning algorithms such as **Linear Regression** and **Logistic Regression**. Also composed a blog on steps to access an **IBM DB2** database using **python** and its libraries. [[Blog1](#)] [[Blog2](#)]

GRIP, The Sparks Foundation

Android App Development Intern [[Certificate](#)]

Mumbai, Maharashtra, India

August 2021

- Implemented a **full stack** digital banking mobile application using **Kotlin** and **SQLite**, that can effectuate features such as creating new customer accounts, enabling rapid intra-bank transactions and storing the transaction details in the database. [[SourceCode](#)]
- Enhanced the **frontend** of the app using **Jetpack Compose** framework, the **backend** was designed in **Kotlin** using the **MVVM architecture**. Composed more than **500 lines of code**.

PROJECTS

University Finder [[SourceCode](#)]

Django, SQL, HTML, CSS, JS

- Established a **website** for the high school and undergraduate students for exploring various universities.
- The **django model view architecture** was utilised to control the flow of web pages and the **HTTP methods**.
- Formalised the **backend database** by applying proper **ER modelling** and making use of **SQLite**.

Bug Venture App [[SourceCode](#)]

Android, Java, XML, Firebase

- Launched an **android app** which utilises the easy to use features of **Firebase** to **authenticate** users.
- It is a scenario based game which leads to alternate conclusions based on the decision the user takes at every point.
- Formed the leaderboard and user progress status using **Firebase** as it provides swift **database** and **cloud services**.

Tower Defence Game [[SourceCode](#)]

Unity, C#, Blender

- Built a beguiling strategy based game using **Unity Game Engine** with **C# scripting** and **Blender modelling**.
- Incorporated various **kinematics** concepts such as **projectile motion** along with **Newton's laws of motion**.
- Structured multiple levels in the game and composed more than **1000 lines of code**.

ACHIEVEMENTS

- **600+** points scored on **GFG Practice** [[Profile](#)]
- **3*** on **CodeChef** Competitive Coding Platform [[Profile](#)]
- **5*** on **HackerRank** Problem Solving [[Profile](#)]
- Successfully completed the **Hacktoberfest 2021** open source contribution
- Secured **10th rank** in **DevJams'19 Hackathon** conducted by CodeChef Chapter
- Big Data (BDA) Foundation Course NASSCOM [[Certificate](#)]
- Algorithmic Toolbox Course University of California, Coursera [[Certificate](#)]

SKILLS & INTERESTS

I am an enthusiast whose forte is **backend development**, well versed in **C++**. I would definitely like to work in different areas and explore them which would augment my curious mind.

Languages: CP - C++, C **Mobile** - Java, Kotlin **Web** - Python, PHP, JavaScript, SQL

Technologies: Android, Jetpack Compose, Django, Git, Firebase, CMake, Github, XML, OOPS, OS, Linux, DBMS