Ritwik Ghosh

COMPUTER SCIENCE ENGINEER

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Professional Summary

I am a B.Tech CSE undergraduate competitive coder and budding developer. I have decent knowledge in various programming languages such as **Python, Java**, **Dart, C, C++, MySQL, HTML** and so on; I also am skilled in **Data Structures and Algorithms**. I have experience in doing **Exploratory Data Analysis** and making **web apps** in python, in making a variety of cross platform mobile, desktop and web applications using **Flutter,** and in making projects using **Embedded Systems** using microcontrollers and other hardware.

Currently I am focused in actively exploring **Data Science** and **Machine Learning**, and on building mobile applications using **Flutter,** as these fields interest me greatly and I love to implement them in my projects. Alongside developmental skills I also know the basic principals of **Software Development**.

Please visit my website **https://ritwik-ghosh153.github.io**

Goals

- I am seeking opportunities to implement my skill set in the industry where I get to work on practical applications.
- I am on the lookout for
  - greater exposure to developmental domains,
  - gain further experience, and
  - solve real world challenges.
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I keep my skills regularly brushed up. I also deeply believe in investing in effective leadership and management skills, interpersonal skills for effective networking and communication, and also on discipline and thinking out of the box. I am a quick learner and very adaptable.

Academic qualification

Year	Qualification	Institution	Percentage/ CGPA
2021	B.Tech (CSE)	Amity University, Kolkata	7.95
2017	Senior Secondary (ISC)	St. Stephen's School	90.5%
2015	Secondary (ICSE)	St. Stephen's School	92.2%

Academic awards

- **Winner (1st prize), Codeplay** (coding event organised by St. Xavier's College, Kolkata, for its annual tech fest eXabyte).
- **Second position, X-coder 3.0**, organised by Amity University, Kolkata in association with Coding Ninjas.
- **25% scholarship** for the first academic year, Amity University, Kolkata.

Work experience

- Teaming up as an intern to make and deploy a commercial mobile app from scratch for Android and iOS for **DUIT**, a Singapore based start up which specialises in customer relations technologies.

- Teaming up as an intern to make and deploy a commercial mobile app for Android and iOS for **OyeBusy Technologies**, a Gurugram based start up which specialises in providing home services.
  https://play.google.com/store/apps/details?id=com.oyebusy.oyebusy_customer&hl=en_IN

- Teaming up as an intern to make a dashboard for **Agitechavids Ltd**, a Kolkata based start up which specialises in online technical training.

Technical Knowledge

Programming Languages: C, C++, Java, Python, Dart, HTML, CSS, R, MySQL
Technologies: Data Analysis, Application Development in Flutter, Cloud Databases, Embedded Systems, Internet of Things, Data Visualisation and Storytelling, Tableau, Arduino, Digital Electronics
Operating Systems: MacOS, Windows, Linux
Tools: Android Studio, Jupiter Notebook, Atom, Sublime Text, Pycharm,, Keynote, Numbers, MS Excel, Pages, MS Power Point, MS Word, Adobe Lightroom

Few Key Projects

- **Covid-19 Live Tracker Dashboard:** A web python app that shows data analysis of the spread and extent of the covid-19 virus with the use of heat maps, charts and various statistical analysis. Website: **https://covid19-world-live.herokuapp.com**

- **Exploratory Data Analysis** on data generated by PUBG using python. Kaggle kernel: **https://www.kaggle.com/ghosh153/ritwik-pubg-eda**

- secureBMI App: A flutter app that lets users log in, log out, sign in and calculate and save BMI data that is specific to the user. It is synced with the Firebase cloud and users may use it from any device by logging in. GitHub: **https://github.com/ritwik-ghosh153/secure-BMI-app**

- **Note keeper App**: A flutter app that lets users add, edit and delete notes. It is synced over the Firebase cloud. GitHub: **https://github.com/ritwik-ghosh153/todo_list**

- **A Line Follower Robot Mouse:** It was an embedded systems project designed to follow a complex path and patterns optimised for speed. It was used in various technical fest competitions. GitHub: **https://github.com/ritwik-ghosh153/Line-follower-with-PD**

For more interesting projects please visit my GitHub : **https://github.com/ritwik-ghosh153**

Other information

Website	https://ritwik-ghosh153.github.io
Social	https://www.linkedin.com/in/ritwik-ghosh-01ba01152/
GitHub	https://github.com/ritwik-ghosh153
Relevant skills	Problem solving, effective communication, adaptable
Hobbies	Travelling, photography, digital electronics, chess, martial arts
Languages	English, Bengali, Hindi, German
Date of birth	2nd January, 1999
Address	AF-120, Krishnapur, Kolkata-700101

Declaration

I hereby declare that the above written particulars are true to the best of my knowledge and belief and I bear the responsibility for the correctness of the above-mentioned particulars.

Updation Date: 6th July, 2020
Place: Kolkata

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