Reza Abdullah

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Education

Bachelor of Science in Software Engineering(BSSE)	**IIT,** **University of Dhaka**	*Dhaka, Bangladesh*	**01/2022- 12/2025**

Skills

- C | Python | Java | Swift | JavaScript | MySQL | Firebase | Node | React | MongoDB | Flask | FastAPI | Git
- Figma | XD | UI/UX Design | IOS Development | Machine Learning | Numpy | Pandas | Matplotlib | Tensorflow
- Microcontroller programming | Arduino | Raspberry pi

Experience

Software Engineer	**Team Atlas**	*Dhaka, Bangladesh*	**01/2022 - Present**

Contributed to leading rover team in Bangladesh, focusing on vision system development and prototyping.
Key responsibilities included:
- Developed computer vision algorithms using YOLOv6 for object detection and navigation in agricultural robots, enhancing crop monitoring and yield optimization.
- Prototyped and tested robotic functionalities like blight detection and data transmission, ensuring seamless integration within farm operations.
- Spearheaded the "Parker Learner" project, creating a mobile-connected prototype simulating NASA's Parker Solar Probe, engaging students in interactive Sun exploration.

Projects

- **Bestdealsbd(ongoing) :** Developing "Bestdealsbd," a web platform aggregating and displaying e-commerce deals and offers across prominent Bangladeshi websites like Daraz and Ajkerdeal.
- **HandsOnSync - ASL Education Platform:** Researched and compiled technical documentation for innovative platform leveraging 3D animations to provide immersive ASL education targeting deaf/non-hearing community.
- **Beneath the Surface :** Designed a learning app for underwater species and aquatic ecosystem.**(20/09/2023)**
- **CoinBlend:** Designed and developed a currency converter IOS app. **(11/12/2023)**
- **Attendee :** Developed a vision based attendance system.**(16/01/2024)**
- **Bus koi :** Designed a real time bus tracking mobile app.**(15/02/2024)**

Achievements

- **Huawei ICT Competition:** 2nd runner up in the national level. Asia Pacific Regional going on.**(2024)**
- **Techkriti 23 :** Runner up in the robot showcasing segment in the Techkriti 23 organized by IIT Kanpur.**(2023)**
- **Nasa Space apps Challenge :** Global finalist honorable mention organized by NASA. **(2022)**

Others

- **Flutter Frenzy:** Served as a member of the organizing committee, actively participating in developing event programming and activities. Collaborated with fellow committee members and event organizers to ensure a successful and engaging event.
- **ITverse'23:** Oversaw all aspects of event planning, including budget management, and marketing strategies. Contributed to the documentation team of the event.

References

- **Dr. Ahmedul Kabir**
  Associate Professor, Institute of Information Technology, University of Dhaka
  Email: kabir@iit.du.ac.bd   Contact: +88 01875-179981

- **Nahian Ashraf**
  Software Engineer, Google(Taiwan)
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