Saikat Datta

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EDUCATION

- **Arizona State University** — Tempe, AZ, USA
  Masters - Computer Science; GPA: 4.00/4.00 — *Jan 2021 - Dec 2022*
  Courses: *Machine Learning, Distributed Databases, Data Mining, Data Visualization, Blockchain, Software Engineering*

- **Indian Institute of Engineering Science and Technology, Shibpur** — India
  Bachelors - Computer Science and Technology; GPA: 8.26/10.00 — *Aug 2013 - May 2017*
  Courses: *Operating Systems, Data Structures, Algorithms, Artificial Intelligence, Networking, Databases, Computer Graphics*

SKILLS SUMMARY

- **Languages:** Python, C++, JavaScript, HTML, CSS, SQL, JAVA, Kotlin, Go
- **Frameworks:** NodeJS, Express, React, Angular, Vue, D3, React Native, Flask, Firebase
- **Tools:** Git, VS Code, Android Studio, Unity PostgreSQL, MySQL, SQLite, MongoDB
- **Soft Skills:** Leadership, Event Management, Logical Reasoning, Writing, Time Management

EXPERIENCE

- **Rivian** — Palo Alto, United States
  Software Engineering Intern - Vehicle Services (Full-time) — *May 2022 - Aug 2022*
  - **May-Jul**: Built an end-to-end automation testing framework (via gitlab pipeline) for the application frontend using cypress and cucumber and integrated the test results with allure for a visually enhanced dashboard view.
  - **Jul-Aug**: Creating and fixing UI components for Vehicle services appointment form.

- **IBM** — Bangalore, India
  Associate System Engineer (Full-time) — *Aug 2017 - Dec 2020*
  - **2019-2020**: Android Developer for the Hannaford and FoodLion android apps. Developed coupon clipping feature, shopping list and digital flyers module as well as new UI elements.
  - **2018-2019**: Front-end Developer and Manual Tester for 'hannaford.com' website project. Worked with client to introduce and implement new UI designs and AEM integration for the website. Generated advanced test cases based on user stories, acceptance criteria and functionalities of the product.
  - **2017-2018**: Junior Developer and Automation Tester for HondaLink and AcuraLink android apps project. Used Appium, Selenium for Android and MonkeyRunner extensively for the automated tests. Implemented geofencing feature.

PROJECTS

- **Web Tool for Visualization of Newspaper Propaganda Biases**: A full stack web system that visualizes newspaper biases on the basis of propaganda techniques using PRTA API. This was for the Data Visualization course project at ASU where I was the lead Front-end Developer of the team. Tech: HTML, CSS, JS, D3.js, Flask, NLTK, Spacy. (November '21)

- **Secure Banking Web Application**: A full stack security-first feature-rich banking web application built for the Software Security course project at ASU where I was the leader of the team. This project primarily focuses on implementing security features for the banking functionalities as well as common web practices and was to be tested by our peers for potential vulnerabilities. We adopted an agile development methodology for this project and built one of the most modern, robust and secure websites. Tech: HTML, CSS, JS, Flask, MySQL, AWS. (April '21)

- **Notepad, To-do, Task/Reminder Android App**: Built a fluid, lightweight & material-designed note taking application with a minimalist UI. It also offers features for creating to-do lists, tasks with reminders and practical home screen widgets. Tech: Android Studio, Java (Aug '18)

- **Android Clicker Game**: Built a fast-paced addictive & reflexive clicker game that tests your agility and concentration. Tech: Android Studio, Java (Aug '18)

- **Game Development with Unity and Python**: Developed a 3D platformer game and a first-person shooter game with advanced target mechanics in Unity. Also built a 2D Mario inspired arcade game using 'pygame' library in python. Tech: Python, Unity, C# (Dec '16)

- **Web Based Examination Department Management System**: Developed a full stack web application for our college examination department management system as a group project. I developed the frontend UI module using HTML,CSS and Bootstrap. Tech: HTML, CSS, Bootstrap, ASP.NET, C#, VB.NET (Apr '15)

HONORS AND AWARDS

- Finalist of 'Minefield' - a gesture-controlled semi-autonomous Robotics event at IIT, Kharagpur.
- Awarded Central Sector Scheme Scholarship by Govt. of India for outstanding result in my final Board examination.
- Awarded Gold medal by the West Bengal Yoga Association for being the District Yoga champion of the year.

LEADERSHIP / EXTRACURRICULAR

- Head Coordinator and Organizer of 'Shibpur Showdown' - a competitive gaming event hosted by our university.
- Event Organizer of Annual Inter-Hostel Sports Competition at our university.

HOBBIES AND INTERESTS

Reading, Drawing, Competitive Video games, Cardistry and Table Tennis