

Aniruddha Rajnekar

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EDUCATION

- North Carolina State University**, Raleigh, NC | Master of Computer Science **August 2023-May 2025(expected)**
Courses: Software Engineering, Database Management System, Cloud Computing Technology **GPA: 4.0/4.0**
- Pune Institute of Computer Technology**, Pune, India | Bachelor of Technology in Information Technology **July 2015-June 2019**
Courses: Data Structures, Theory of Computation, Software Engineering and Product Management, **GPA :9.0/10**
Information and Cyber Security, Machine Learning and Applications, Operating Systems, Computer Networks.

TECHNICAL SKILLS

- Languages/Web Technologies** : C, C++, Java, Python, HTML, CSS, Node.js, React.js, Bootstrap
- Databases** : MySQL, MongoDB
- Operating Systems** : Ubuntu (Linux), Windows
- Technologies/ Platforms** : Git, Rest API, IntelliJ IDEA, Jenkins, Insomnia, Spring Boot, Postman, CLI, JIRA, Tableau

WORK EXPERIENCE

North Carolina State university | Graduate Student Researcher **September 2023-Present**

- Recently Started Working under Dr. Lokendra Pal and Dr. Anand Singh on a Deep Learning research project funded by the US Department of Energy on Municipal Solid Waste Characterization in the NCSU Forest Biomaterials Department.
- The research aims at classifying wastes using Augmented Reality and ML models trained on annotated data.

Barclays, Pune, India | Full stack Developer | Team Cygnus, Team Crusaders, Team Stellars **July 2019-June 2022**

- Migrated end-to-end customer Agent Desktop Software from **C# to Java(backend)**. Created new Restful APIs endpoints in Java to fetch that data from **BAPI(Barclays API cloud)**.
- Created interactive frontend using **React.Js** for new Agent Desktop Software and integrated with the backend reducing latency by 20%.
- Conducted **Accessibility Testing on UIs** with **Accessibility Insights Tool** to better serve the physically challenged People.
- Created and deployed code builds on **Jenkins** pipeline as a part of **CI/CD** for various environments such as **Dev/QA/ Production** Environments. Also Actively contributed in resolving the production incidents.
- Devised an entirely new suite of APIs from the ground up to fulfill cross-team requisites. Collaborated actively in requirement deliberations with product owners and API architects for these APIs. Assumed the role of the main liaison for other teams and single-handedly managed the Jenkins pipelines for this project.

PROJECTS

Decentralized Health Data Exchange (Blockchain) **September 2018-June 2019**

- Developed a **Blockchain**-based Healthcare Data Exchange under **Dr. Abhijit Muthiyan's (Patagonia Health, Raleigh, North Carolina)**. The system uses **Hyperledger Composer, NodeJs, HTML, CSS, SQL** to enable decentralized exchange of patient health records, including CCDAs between EHRs.
- Serves as a decentralized alternative to the centralized US **HIE** system. It allows any **EHR** from any location to join the exchange network, enhancing secure data sharing and accessibility. Won **Third Prize** for this project at **Impetus and Concepts 2019**.

Hostel Management System (DataBase Management System) **August 2017-October 2017**

- Created an Online Room booking site with a unified platform for booking rooms, availing services and launching, monitoring grievances with **HTML, CSS, PHP, Javascript, MySQL**.
- It also features an admin dashboard with monthly and summarized overview of the services, income, grievances.

Smart India Hackathon 2017 Project (Web Development) **February 2017-April 2017**

- Implemented a dynamic website for the topic "**Dynamic Web Platform for Startups in India**" as a part of a group project for the **Ministry of Science and Technology, Government of India** using **HTML, CSS, Javascript, PHP, MySQL**.
- Provided information about upcoming Indian startups, the investments in Indian startups, awards given to them and possible help provided by the Indian Government with the help of **RSS feeds**.

EXTRA CURRICULAR ACTIVITIES

- Academic Support Volunteer, 'Make a Difference', an NGO**: Taught mathematics to underprivileged children.
- Organizer, PICT ACM Student Chapter(PASC)**: Played an instrumental role in hosting our annual technical extravaganza **Pulzion**. Acted as an organizing head for some coding competitions such as BugOff and CodeBuddy.
- Organizer, Impetus and Concepts 2018**: Played a significant role in hosting our annual technical college fest. Acted as **Hardware Committee head**.
- Event Manager**: Conducted events like clothes donation for underprivileged and **Industrial visit** to the company **Thoughtworks**.